

**NOTICE OF SHORELINE TASK FORCE REGULAR MEETING
CITY OF SOUTH PADRE ISLAND**

TUESDAY, OCTOBER 27, 2020

3:00 PM 4601 PADRE BOULEVARD SOUTH PADRE ISLAND, TX 78597

1.Call to Order

2.Pledge of Allegiance

3.Public Comments and Announcements

This is an opportunity for citizens to speak to Council relating to agenda or non-agenda items. Speakers are required to address Council at the podium and give their name before addressing their concerns. [Note: State law will not permit the City Council to discuss, debate or consider items that are not on the agenda. Citizen comments may be referred to City Staff or may be placed on the agenda of a future City Council meeting]

4.Regular Agenda

- 4.1. Approval of the minutes from the regular meeting on September 22, 2020. (Guillot)
- 4.2. Update on the RESTORE Act. (Guillot, Boburka)
- 4.3. Discussion and action to recommend to City Council approval of HDR's Tompkins Channel Phase I proposal. (Boburka)
- 4.4. Discussion and action to recommend to City Council approval of one the statement of qualifications that were received for the development of Whitecap Circle using Coastal Management Program (CMP) Cycle 25 funds. (Boburka)
- 4.5. Discussion and action to recommend approval to the City Council for the Mayor to execute the agreement and supporting documentation between the U.S. Army Corps of Engineers (USACE), the City of South Padre Island, and Cameron County for the Planning Assistance to States Program (PAS) to develop a Regional Sediment Management Plan. (Boburka)
- 4.6. Discussion and possible action on participation with the King Tides Project. (Mahan)
- 4.7. Update, discussion, and possible action on the Coastal Management Program (CMP)'s Cycle 24 funds. (Boburka, Hughston)

5.Adjourn

Agenda: OCTOBER 27, 2020

NOTE:

One or more members of the City of South Padre Island City Council may attend this meeting; if so, this statement satisfies the requirements of the OPEN MEETINGS ACT.

DATED OCTOBER 23, 2020

Angelique Soto, City Secretary

I, THE UNDERSIGNED AUTHORITY, DO HEREBY CERTIFY THAT THE ABOVE NOTICE OF MEETING OF THE SHORELINE TASK FORCE OF THE CITY OF SOUTH PADRE ISLAND, TEXAS IS A TRUE AND CORRECT COPY OF SAID NOTICE AND THAT I POSTED A TRUE AND CORRECT COPY OF SAID NOTICE ON THE BULLETIN BOARD AT CITY HALL/MUNICIPAL BUILDING ON **OCTOBER 23, 2020**, AT/OR BEFORE 3:00 PM AND REMAINED SO POSTED CONTINUOUSLY FOR AT LEAST 72 HOURS PRECEDING THE SCHEDULED TIME OF SAID MEETING.

Angelique Soto, City Secretary

THIS FACILITY IS WHEELCHAIR ACCESSIBLE, AND ACCESSIBLE PARKING SPACES ARE AVAILABLE. REQUESTS FOR ACCOMMODATIONS OR INTERPRETIVE SERVICES MUST BE MADE 48 HOURS PRIOR TO THIS MEETING. PLEASE CONTACT BUILDING OFFICIAL, BELINDA TARVER AT (956)761-8103.

**CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE
AGENDA REQUEST FORM**

MEETING DATE: October 27, 2020

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Approval of the minutes from the regular meeting on September 22, 2020. (Guillot)

ITEM BACKGROUND

Approval of the minutes from the regular meeting on September 22, 2020.

BUDGET/FINANCIAL SUMMARY

None

COMPREHENSIVE PLAN GOAL

N/A

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:

**MINUTES OF REGULAR MEETING
CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE**

Tuesday, September 22th, 2020

I. CALL TO ORDER.

The Shoreline Task Force of the City of South Padre Island, Texas held a regular meeting on Tuesday, September 22th, 2020, at the Municipal Complex Building, 2nd Floor, 4601 Padre Boulevard, South Padre Island Texas. Chairman Virginia Guillot called the meeting to order at 3:00 p.m. A quorum was present with Task Force Chairman Virginia Guillot, Task Force Members Stormy Wall, Abbie Mahan, Robert Nixon, Norma Trevino, and Michael Sularz.

City Council members present were: Ken Medders and Kerry Schwartz. City staff members present were: City Manager Randy Smith, Chief of Police Claudine O'Carroll, Environmental Health Director Victor Baldovinos, City Planning Administrative Assistant Marta Martinez, City Secretary Nikki Soto, and Shoreline Director Kristina Boburka.

II. PLEDGE OF ALLEGIANCE.

Chairman Virginia Guillot led the Pledge of Allegiance.

III. PUBLIC COMMENTS AND ANNOUNCEMENTS:

Task Force Member Mahan lead public comments supporting the Shoreline Department and their readiness for storm Beta. Chairman Guillot offered secondary support and noted that there were large tides presented from Beta. South Padre Island Resident Erica Lerma Macaulay stated her position against the further ordinance of single pole shade structures and would like to see the return of pop up tents for herself and larger families in need of an expansive shade structure. Shoreline Director Boburka made a series of public comments giving project updates from previous meetings. The following updates were given: Sunset parking was in review to adjust the street in becoming a one way, engineers are working on the sunset walkover terminus switching southward, beach showers discussions with Shoreline Operations Manager, Coastal Management Program Cycle 26 City Council chose to move forward with Sea Island and the Lifeguard Towers ranked in the previous order, on shore beach nourishment is seeking when next maintenance dredge is available.

IV. REGULAR AGENDA

I. APPROVAL OF THE SEPTEMBER 8TH, 2020 REGULAR MEETING MINUTES.

Task Force Member Mahan made a motion, seconded by Task Force Member Nixon to approve the regular meeting minutes as submitted. Motion carried unanimously.

II. PRESENTATION ON PARTAC'S FINAL PARTICLE TRACING STUDY REPORT.

Shoreline Director Boburka gave an update on the Partrac final reporting. Material placed offshore at the berms showed southwestern movement onto the shoreline for a majority of trending data. The berms showed an overall stable deposit site for long term installation. Chairman Guillot requested further data review on a later meeting and Task Force Member Nixon inquired on the tidal wave interaction of particle tracing.

III. DISCUSSION AND POSSIBLE ACTION TO RECOMMEND TO CITY COUNCIL RESTRICTIONS ON THE FOLLOWING:

- i. GRILLING**
- ii. CANOPIES**
- iii. LOUD MUSIC**
- iv. OVERNIGHT BEACH ACCESS PARKING HOURS**

Chairman Guillot opened the discussion on the Task Force need to improve and increase beach access. She finds it important to keep open conversations on all topics to provide the best beach and amenities possible. Task Force Member Mahan opted to abstain from discussion and action towards this agenda item. The discussion continued with what is allowable by City Ordinance and that grilling is permitted but open fires are not. Task Force Member Wall stated his opposition to grilling on the beach while Task Force Member Nixon saw the need to find middle territory. Director of Environmental Health Victor Baldovinos gave clarity on some regulations and how they are being patrolled throughout city limits. Towards the end of the discussion Chief of Police Claudine O'Carroll gave insight on overnight parking and the patrols done to ensure public safety throughout the night at the beach accesses. Task Force Member Nixon made a motion for all regulations to stay in place, but was countered that no action need to be taken.

V. ADJOURNMENT.

There being no further business, Chairman Guillot adjourned the meeting at 3:54 p.m.

Kristina Boburka, Shoreline Director

Virginia Guillot, Chairman

**CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE
AGENDA REQUEST FORM**

MEETING DATE: October 27, 2020

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Update on the RESTORE Act. (Guillot, Boburka)

ITEM BACKGROUND

Update on the RESTORE Act.

BUDGET/FINANCIAL SUMMARY

N/A

COMPREHENSIVE PLAN GOAL

Chapter III. Parks and Resources

GOAL 1: The City shall ensure protection and conservation of natural resources, such as beaches, dunes, wetlands, Laguna Madre waterfront and native flora and fauna, allowing for their sustainable use and enjoyment by future generations.

Objective 1.1 Beach and dunes shall be protected from both natural and artificial erosion.

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:

**CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE
AGENDA REQUEST FORM**

MEETING DATE: October 27, 2020

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Discussion and action to recommend to City Council approval of HDR's Tompkins Channel Phase I proposal.
(Boburka)

ITEM BACKGROUND

Due to uncertainties in shoaling amounts and the placement area for dredged material, the project has been divided into two phases. Phase 1 services will include a bathymetric survey of the channel to investigate potential shoaling that has been reported. In addition, a maintenance plan that provides recommendations on the need for regular channel maintenance dredging, definition and location of an upland dredged material placement area, and associated construction costs will be developed. Upon acceptance of the maintenance plan and selection of an associated dredged material placement area, Phase 2 services will be developed in a separate proposal and are expected to include regulatory services, developing construction drawings, specifications, and contract documents to support bidding and construction of a maintenance dredging event.

BUDGET/FINANCIAL SUMMARY

Phase 1 cost: \$49,000

COMPREHENSIVE PLAN GOAL

Chapter III. Parks and Resources

GOAL 1: The City shall ensure protection and conservation of natural resources, such as beaches, dunes, wetlands, Laguna Madre waterfront and native flora and fauna, allowing for their sustainable use and enjoyment by future generations.

Objective 1.1 Beach and dunes shall be protected from both natural and artificial erosion.

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:



October 12, 2020

MCN10216706
(Maintenance - 1)

Ms. Kristina Boburka, Shoreline Director
City of South Padre Island
4601 Padre Boulevard
South Padre Island, TX 78597

**RE: PROPOSAL FOR PHASE 1 ENGINEERING SERVICES RELATIVE TO
MAINTENANCE DREDGING OF TOMPKINS CHANNEL, SOUTH PADRE ISLAND,
TX**

Dear Kristina:

Thank you for this opportunity to submit a proposal to the City of South Padre Island (City) for the Tompkins Channel project. Pursuant to recent discussions, the City is seeking to perform maintenance dredging of Tompkins Channel, located along the western shoreline of the City. Due to uncertainties in shoaling amounts and the placement area for dredged material, the project has been divided into two phases. Phase 1 services will include a bathymetric survey of the channel to investigate potential shoaling that has been reported. In addition, a maintenance plan that provides recommendations on the need for regular channel maintenance dredging, definition and location of an upland dredged material placement area, and associated construction costs will be developed. Upon acceptance of the maintenance plan and selection of an associated dredged material placement area, Phase 2 services will be developed in a separate proposal and are expected to include regulatory services, developing construction drawings, specifications, and contract documents to support bidding and construction of a maintenance dredging event. Considering HDR's previous support to the City on channel projects and our 30-year history working with City staff, we feel we are well qualified to help.

SCOPE OF SERVICES

HDR's proposed services consist of the following overall tasks:

Phase 1 (included in this proposal)

- Task 1 – Channel Survey
- Task 2 – Geotechnical Investigations
- Task 3 – Channel Maintenance Plan

Phase 2 (will be included in future proposal)

Task 4 – Engineering Design and Contract Document Development

Task 5 – Regulatory Assistance

Task 6 – Bidding Assistance

Task 7 – Construction Administration

These tasks are outlined in more detail below.

Task 1: Channel Survey

A bathymetric and magnetometer survey will be performed along transects spaced every 100 feet along the approximate 5.0-mile channel length. The bathymetric survey will be used to characterize current bottom contours and depths. The magnetometer survey will be used to identify potential debris and ferrous objects within the channel and dredge area. Survey drawings showing a plan view of the bottom elevations as well as cross-sections of the channel will be prepared. Magnetic anomalies and potential obstructions will also be identified. The survey drawings will also indicate areas that are above the authorized channel depth. These drawings will serve as the basis for construction drawings and permit exhibits to be developed in Phase 2.

Task 1 Schedule:

HDR will endeavor to complete the Task 1 deliverable within 60 days of receipt of Notice to Proceed (NTP).

Task 1 Deliverables:

Survey drawings in PDF format.

Task 2: Geotechnical Investigations

The channel survey subcontractor will collect 10 sediment grab samples at locations within areas of historical shoaling to characterize the material to be dredged. The samples will be provided to a geotechnical testing lab to perform grain sieve analyses. This information will be included in the plans and specifications to potential contractors so they can understand the type of material to be dredged and associated excavation and handling requirements. This task does not include collection of soil borings or a Sampling and Analysis Plan (SAP) which may be required for placement of dredged material within a USACE upland DMPA.

Task 2 Schedule:

HDR will endeavor to complete the Task 2 deliverable within 60 days of receipt of Notice to Proceed (NTP).

Task 1 Deliverables:

Grain sieve analysis results in PDF format.

Task 3: Channel Maintenance Plan

Survey data collected as part of Task 1 will be compared to a channel survey from 2009 to review shoaling and rates of deposition. Available data provided by the City from the dredging event in 2011 (post-dredge surveys) will be incorporated into the shoaling assessment. The results of the assessment will also be used to identify “hot spot” areas that appear to have more rapid rates of shoaling compared to the entire channel length.

Channel dredging options will be reviewed and will include use of a small hydraulic cutterhead dredge and mechanical dredging. HDR will review options for placement of the dredged material from the proposed channel. Options will include upland disposal within the City or nearby placement areas. Due to the fine sediment characteristics typically found in channel maintenance material, beneficial use options will not be considered. An assessment of proposed placement area site capacity, use limitations, fees, and related factors will be included in the plan. The plan will also provide recommendations for existing and future maintenance dredging needs.

A report will be developed that summarizes the data collection activities/results; delineates areas of current and historical shoaling and associated quantities; and provides recommendations on near and long-term dredging requirements, planning, and estimated costs. The results of the dredged material placement options review will also be incorporated into the overall Channel Maintenance Plan. A report review meeting will be conducted with City staff. The Plan, and in particular the placement area options, will serve as the basis for selecting a site for use in an upcoming maintenance dredging project.

Task 3 Schedule:

HDR will endeavor to complete the Task 3 draft report within 120 days of receipt of Notice to Proceed (NTP). The final report will be provided within 14 days of receipt of comments from the City.

Task 3 Deliverables:

Channel Maintenance Plan Report (Draft and Final)

FEE

HDR proposes to provide these services on a lump sum basis for a total amount of Forty Nine Thousand Dollars (\$49,000). A summary for each major task is listed below. All services will be provided in accordance with the attached Terms and Conditions for Professional Services. No other services are presently expected. However, if additional services do become necessary, we will acquire authorization in advance from you and bill for these in accordance with HDR's most current rate schedule (for you reference, attached is our 2020 rate schedule) or at an agreed to lump sum fee. This Proposal is valid for 30 days.

Task	Amount per Task
Task 1 – Channel Bathymetric Survey	\$ 29,000
Task 2 – Geotechnical Investigations	\$ 2,100
Task 3 – Channel Maintenance Plan	\$ 17,900
Total Proposed Budget:	\$ 49,000

If you are in agreement with the above, please sign this letter proposal. This will serve as a Work Order and please return one signed copy to us.

Thank you for considering HDR for this exciting project. Should you have any questions, please do not hesitate to contact us to discuss this proposal in more detail.

Sincerely,

HDR ENGINEERING, INC.



M. Cameron Perry, P.E.
Coastal Practice Lead



Arthur B. Colwell, P.E.
Vice President/Managing Principal

AGREED TO AND ACCEPTED:
CITY OF SOUTH PADRE ISLAND

Printed Name: _____

Title: _____

Signature: _____

Date: _____

Attachments: Contract Terms and Conditions
1/20 Schedule of Rates

HDR Engineering, Inc. Terms and Conditions for Professional Services

1. STANDARD OF PERFORMANCE

The standard of care for all professional engineering, consulting and related services performed or furnished by ENGINEER and its employees under this Agreement will be the care and skill ordinarily used by members of ENGINEER's profession practicing under the same or similar circumstances at the same time and in the same locality. ENGINEER makes no warranties, express or implied, under this Agreement or otherwise, in connection with ENGINEER's services.

2. INSURANCE/INDEMNITY

ENGINEER agrees to procure and maintain, at its expense, Workers' Compensation insurance as required by statute; Employer's Liability of \$250,000; Automobile Liability insurance of \$1,000,000 combined single limit for bodily injury and property damage covering all vehicles, including hired vehicles, owned and non-owned vehicles; Commercial General Liability insurance of \$1,000,000 combined single limit for personal injury and property damage; and Professional Liability insurance of \$1,000,000 per claim for protection against claims arising out of the performance of services under this Agreement caused by negligent acts, errors, or omissions for which ENGINEER is legally liable. If flying an Unmanned Aerial System (UAS or drone), ENGINEER will procure and maintain aircraft unmanned aerial systems insurance of \$1,000,000 per occurrence. OWNER shall be made an additional insured on Commercial General and Automobile Liability insurance policies and certificates of insurance will be furnished to the OWNER. ENGINEER agrees to indemnify OWNER for third party personal injury and property damage claims to the extent caused by ENGINEER's negligent acts, errors or omissions. However, neither Party to this Agreement shall be liable to the other Party for any special, incidental, indirect, or consequential damages (including but not limited to loss of use or opportunity; loss of good will; cost of substitute facilities, goods, or services; cost of capital; and/or fines or penalties), loss of profits or revenue arising out of, resulting from, or in any way related to the Project or the Agreement from any cause or causes, including but not limited to any such damages caused by the negligence, errors or omissions, strict liability or breach of contract.

3. OPINIONS OF PROBABLE COST (COST ESTIMATES)

Any opinions of probable project cost or probable construction cost provided by ENGINEER are made on the basis of information available to ENGINEER and on the basis of ENGINEER's experience and qualifications, and represents its judgment as an experienced and qualified professional engineer. However, since ENGINEER has no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor(s) methods of determining prices, or over competitive bidding or market conditions, ENGINEER does not guarantee that proposals, bids or actual project or construction cost will not vary from opinions of probable cost ENGINEER prepares.

4. CONSTRUCTION PROCEDURES

ENGINEER's observation or monitoring portions of the work performed under construction contracts shall not relieve the contractor from its responsibility for performing work in accordance with applicable contract documents. ENGINEER shall not control or have charge of, and shall not be responsible for, construction means, methods, techniques, sequences, procedures of construction, health or safety programs or precautions connected with the work and shall not manage, supervise, control or have charge of construction. ENGINEER shall not be responsible for the acts or omissions of the contractor or other parties on the project. ENGINEER shall be entitled to review all construction contract documents and to require that no provisions extend the duties or liabilities of ENGINEER

beyond those set forth in this Agreement. OWNER agrees to include ENGINEER as an indemnified party in OWNER's construction contracts for the work, which shall protect ENGINEER to the same degree as OWNER. Further, OWNER agrees that ENGINEER shall be listed as an additional insured under the construction contractor's liability insurance policies.

5. CONTROLLING LAW

This Agreement is to be governed by the law of the state where ENGINEER's services are performed.

6. SERVICES AND INFORMATION

OWNER will provide all criteria and information pertaining to OWNER's requirements for the project, including design objectives and constraints, space, capacity and performance requirements, flexibility and expandability, and any budgetary limitations. OWNER will also provide copies of any OWNER-furnished Standard Details, Standard Specifications, or Standard Bidding Documents which are to be incorporated into the project.

OWNER will furnish the services of soils/geotechnical engineers or other consultants that include reports and appropriate professional recommendations when such services are deemed necessary by ENGINEER. The OWNER agrees to bear full responsibility for the technical accuracy and content of OWNER-furnished documents and services.

In performing professional engineering and related services hereunder, it is understood by OWNER that ENGINEER is not engaged in rendering any type of legal, insurance or accounting services, opinions or advice. Further, it is the OWNER's sole responsibility to obtain the advice of an attorney, insurance counselor or accountant to protect the OWNER's legal and financial interests. To that end, the OWNER agrees that OWNER or the OWNER's representative will examine all studies, reports, sketches, drawings, specifications, proposals and other documents, opinions or advice prepared or provided by ENGINEER, and will obtain the advice of an attorney, insurance counselor or other consultant as the OWNER deems necessary to protect the OWNER's interests before OWNER takes action or forebears to take action based upon or relying upon the services provided by ENGINEER.

7. SUCCESSORS, ASSIGNS AND BENEFICIARIES

OWNER and ENGINEER, respectively, bind themselves, their partners, successors, assigns, and legal representatives to the covenants of this Agreement. Neither OWNER nor ENGINEER will assign, sublet, or transfer any interest in this Agreement or claims arising therefrom without the written consent of the other. No third party beneficiaries are intended under this Agreement.

8. RE-USE OF DOCUMENTS

All documents, including all reports, drawings, specifications, computer software or other items prepared or furnished by ENGINEER pursuant to this Agreement, are instruments of service with respect to the project. ENGINEER retains ownership of all such documents. OWNER may retain copies of the documents for its information and reference in connection with the project; however, none of the documents are intended or represented to be suitable for reuse by OWNER or others on extensions of the project or on any other project. Any reuse without written verification or adaptation by ENGINEER for the specific purpose intended will be at OWNER's sole risk and without liability or legal exposure to ENGINEER, and OWNER will defend, indemnify and hold harmless ENGINEER from all claims, damages, losses and expenses, including attorney's fees, arising or resulting therefrom. Any such verification or adaptation will

entitle ENGINEER to further compensation at rates to be agreed upon by OWNER and ENGINEER.

9. TERMINATION OF AGREEMENT

OWNER or ENGINEER may terminate the Agreement, in whole or in part, by giving seven (7) days written notice to the other party. Where the method of payment is "lump sum," or cost reimbursement, the final invoice will include all services and expenses associated with the project up to the effective date of termination. An equitable adjustment shall also be made to provide for termination settlement costs ENGINEER incurs as a result of commitments that had become firm before termination, and for a reasonable profit for services performed.

10. SEVERABILITY

If any provision of this agreement is held invalid or unenforceable, the remaining provisions shall be valid and binding upon the parties. One or more waivers by either party of any provision, term or condition shall not be construed by the other party as a waiver of any subsequent breach of the same provision, term or condition.

11. INVOICES

ENGINEER will submit monthly invoices for services rendered and OWNER will make payments to ENGINEER within thirty (30) days of OWNER's receipt of ENGINEER's invoice.

ENGINEER will retain receipts for reimbursable expenses in general accordance with Internal Revenue Service rules pertaining to the support of expenditures for income tax purposes. Receipts will be available for inspection by OWNER's auditors upon request.

If OWNER disputes any items in ENGINEER's invoice for any reason, including the lack of supporting documentation, OWNER may temporarily delete the disputed item and pay the remaining amount of the invoice. OWNER will promptly notify ENGINEER of the dispute and request clarification and/or correction. After any dispute has been settled, ENGINEER will include the disputed item on a subsequent, regularly scheduled invoice, or on a special invoice for the disputed item only.

OWNER recognizes that late payment of invoices results in extra expenses for ENGINEER. ENGINEER retains the right to assess OWNER interest at the rate of one percent (1%) per month, but not to exceed the maximum rate allowed by law, on invoices which are not paid within thirty (30) days from the date OWNER receives ENGINEER's invoice. In the event undisputed portions of ENGINEER's invoices are not paid when due, ENGINEER also reserves the right, after seven (7) days prior written notice, to suspend the performance of its services under this Agreement until all past due amounts have been paid in full.

12. CHANGES

The parties agree that no change or modification to this Agreement, or any attachments hereto, shall have any force or effect unless the change is reduced to writing, dated, and made part of this Agreement. The execution of the change shall be authorized and signed in the same manner as this Agreement. Adjustments in the period of services and in compensation shall be in accordance with applicable paragraphs and sections of this Agreement. Any proposed fees by ENGINEER are estimates to perform the services required to complete the project as ENGINEER understands it to be defined. For those projects involving conceptual or process development services, activities often are not fully definable in the initial planning. In any event, as the project progresses, the facts developed may dictate a change in the services to be performed, which may alter the scope. ENGINEER will inform OWNER of such situations so that changes in scope and adjustments to the time of performance and compensation can be made as required. If such change, additional services, or suspension of services results in an increase or decrease in the cost of or time required for performance of the services, an equitable adjustment shall be made, and the Agreement modified accordingly.

13. CONTROLLING AGREEMENT

These Terms and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice-to-proceed, or like document.

14. EQUAL EMPLOYMENT AND NONDISCRIMINATION

In connection with the services under this Agreement, ENGINEER agrees to comply with the applicable provisions of federal and state Equal Employment Opportunity for individuals based on color, religion, sex, or national origin, or disabled veteran, recently separated veteran, other protected veteran and armed forces service medal veteran status, disabilities under provisions of executive order 11246, and other employment, statutes and regulations, as stated in Title 41 Part 60 of the Code of Federal Regulations § 60-1.4 (a-f), § 60-300.5 (a-e), § 60-741 (a-e).

15. HAZARDOUS MATERIALS

OWNER represents to ENGINEER that, to the best of its knowledge, no hazardous materials are present at the project site. However, in the event hazardous materials are known to be present, OWNER represents that to the best of its knowledge it has disclosed to ENGINEER the existence of all such hazardous materials, including but not limited to asbestos, PCB's, petroleum, hazardous waste, or radioactive material located at or near the project site, including type, quantity and location of such hazardous materials. It is acknowledged by both parties that ENGINEER's scope of services do not include services related in any way to hazardous materials. In the event ENGINEER or any other party encounters undisclosed hazardous materials, ENGINEER shall have the obligation to notify OWNER and, to the extent required by law or regulation, the appropriate governmental officials, and ENGINEER may, at its option and without liability for delay, consequential or any other damages to OWNER, suspend performance of services on that portion of the project affected by hazardous materials until OWNER: (i) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or remove the hazardous materials; and (ii) warrants that the project site is in full compliance with all applicable laws and regulations. OWNER acknowledges that ENGINEER is performing professional services for OWNER and that ENGINEER is not and shall not be required to become an "arranger," "operator," "generator," or "transporter" of hazardous materials, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1990 (CERCLA), which are or may be encountered at or near the project site in connection with ENGINEER's services under this Agreement. If ENGINEER's services hereunder cannot be performed because of the existence of hazardous materials, ENGINEER shall be entitled to terminate this Agreement for cause on 30 days written notice. To the fullest extent permitted by law, OWNER shall indemnify and hold harmless ENGINEER, its officers, directors, partners, employees, and subconsultants from and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) caused by, arising out of or resulting from hazardous materials, provided that (i) any such cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or injury to or destruction of tangible property (other than completed Work), including the loss of use resulting therefrom, and (ii) nothing in this paragraph shall obligate OWNER to indemnify any individual or entity from and against the consequences of that individual's or entity's sole negligence or willful misconduct.

16. EXECUTION

This Agreement, including the exhibits and schedules made part hereof, constitute the entire Agreement between ENGINEER and OWNER, supersedes and controls over all prior written or oral

understandings. This Agreement may be amended, supplemented or modified only by a written instrument duly executed by the parties.

17. ALLOCATION OF RISK

OWNER AND ENGINEER HAVE EVALUATED THE RISKS AND REWARDS ASSOCIATED WITH THIS PROJECT, INCLUDING ENGINEER'S FEE RELATIVE TO THE RISKS ASSUMED, AND AGREE TO ALLOCATE CERTAIN OF THE RISKS, SO, TO THE FULLEST EXTENT PERMITTED BY LAW, THE TOTAL AGGREGATE LIABILITY OF ENGINEER (AND ITS RELATED CORPORATIONS, SUBCONSULTANTS AND EMPLOYEES) TO OWNER AND THIRD PARTIES GRANTED RELIANCE IS LIMITED TO THE LESSER OF \$1,000,000 OR ITS FEE, FOR ANY AND ALL INJURIES, DAMAGES, CLAIMS, LOSSES, OR EXPENSES (INCLUDING ATTORNEY AND EXPERT FEES) ARISING OUT OF ENGINEER'S SERVICES OR THIS AGREEMENT REGARDLESS OF CAUSE(S) OR THE THEORY OF LIABILITY, INCLUDING NEGLIGENCE, INDEMNITY, OR OTHER RECOVERY.

18. LITIGATION SUPPORT

In the event ENGINEER is required to respond to a subpoena, government inquiry or other legal process related to the services in connection with a legal or dispute resolution proceeding to which ENGINEER is not a party, OWNER shall reimburse ENGINEER for reasonable costs in responding and compensate ENGINEER at its then standard rates for reasonable time incurred in gathering information and documents and attending depositions, hearings, and trial.

19. NO THIRD PARTY BENEFICIARIES

No third party beneficiaries are intended under this Agreement. In the event a reliance letter or certification is required under the scope of services, the parties agree to use a form that is mutually acceptable to both parties.

20. UTILITY LOCATION

If underground sampling/testing is to be performed, a local utility locating service shall be contacted to make arrangements for all utilities to determine the location of underground utilities. In addition, OWNER shall notify ENGINEER of the presence and location of any underground utilities located on the OWNER's property which are not the responsibility of private/public utilities. ENGINEER shall take reasonable precautions to avoid damaging underground utilities that are properly marked. The OWNER agrees to waive any claim against ENGINEER and will indemnify and hold ENGINEER harmless from any claim of liability, injury or loss caused by or allegedly caused by ENGINEER's damaging of underground utilities that are not properly marked or are not called to ENGINEER's attention prior to beginning the underground sampling/testing.

21. UNMANNED AERIAL SYSTEMS

If operating UAS, ENGINEER will obtain all permits or exemptions required by law to operate any UAS included in the services. ENGINEER's operators have completed the training, certifications and licensure as required by the applicable jurisdiction in which the UAS will be operated. OWNER will obtain any necessary permissions for ENGINEER to operate over private property, and assist, as necessary, with all other necessary permissions for operations.

22. OPERATIONAL TECHNOLOGY SYSTEMS

OWNER agrees that the effectiveness of operational technology systems ("OT Systems") and features designed, recommended or assessed by ENGINEER are dependent upon OWNER's continued operation and maintenance of the OT Systems in accordance with all standards, best practices, laws, and regulations that govern the operation and maintenance of the OT Systems. OWNER shall be solely responsible for operating and maintaining the OT System in accordance with applicable industry standards (i.e. ISA, NIST, etc.)

and best practices, which generally include but are not limited to, cyber security policies and procedures, documentation and training requirements, continuous monitoring of assets for tampering and intrusion, periodic evaluation for asset vulnerabilities, implementation and update of appropriate technical, physical, and operational standards, and offline testing of all software/firmware patches/updates prior to placing updates into production. Additionally, OWNER recognizes and agrees that OT Systems are subject to internal and external breach, compromise, and similar incidents. Security features designed, recommended or assessed by ENGINEER are intended to reduce the likelihood that OT Systems will be compromised by such incidents. However, ENGINEER does not guarantee that OWNER's OT Systems are impenetrable and OWNER agrees to waive any claims against ENGINEER resulting from any such incidents that relate to or affect OWNER's OT Systems.

23. FORCE MAJEURE

ENGINEER shall not be responsible for delays caused by factors beyond ENGINEER's reasonable control, including but not limited to delays because of strikes, lockouts, work slowdowns or stoppages, government ordered industry shutdowns, power or server outages, acts of nature, widespread infectious disease outbreaks (including, but not limited to epidemics and pandemics), failure of any governmental or other regulatory authority to act in a timely manner, failure of the OWNER to furnish timely information or approve or disapprove of ENGINEER's services or work product, or delays caused by faulty performance by the OWNER's or by contractors of any level or any other events or circumstances not within the reasonable control of the party affected, whether similar or dissimilar to any of the foregoing. When such delays beyond ENGINEER's reasonable control occur, the OWNER agrees that ENGINEER shall not be responsible for damages, nor shall ENGINEER be deemed in default of this Agreement, and the parties will negotiate an equitable adjustment to ENGINEER's schedule and/or compensation if impacted by the force majeure event or condition.

SCHEDULE OF RATES

These rates are effective through December 2020

PROFESSIONAL STAFF HOURLY RATE

Engineer I.....	\$125.00
Engineer II.....	\$137.00
Engineer III.....	\$152.00
Engineer IV.....	\$169.00
Engineer V.....	\$184.00
Engineer VI.....	\$205.00
Engineer VII.....	\$226.00
Engineer VIII.....	\$247.00
Principal Engineer.....	\$268.00
Sr. Principal Engineer.....	\$288.00
Program Director.....	\$306.00
Project Biologist/GIS Specialist.....	\$135.00
Environmental Biologist.....	\$159.00
Sr. Environmental Biologist.....	\$184.00
Environmental Manager.....	\$209.00

PARA-PROFESSIONAL STAFF HOURLY RATE

Administrative Assistant.....	\$92.00
Drafter.....	\$95.00
Technician I.....	\$109.00
Technician II.....	\$121.00
Technician III.....	\$134.00
Designer Tech IV.....	\$146.00

EQUIPMENT/IT

GPS RTK Survey Equipment.....	250.00/Day
GPS Hand Held (Sub Meter).....	135.00/Day
Work/Tow Vehicle	65.00/day + IRS rate + 10%
Survey Boat	750.00/Day
GPS Hydrographic Survey Equip.....	250.00/Day
Acoustic Doppler Velocimeter (ADV)....	1,000.00/Wk
Water Level Logger.....	300.00/Wk

EXPENSES

- Automobile (other than rental car)IRS Rate + 10%
- In house reproduction prevailing commercial rates
- Outside consultants..... cost plus 15% handling
- Outside technical services..... cost plus 15% handling
- All other expenses cost plus 15% handling

1. Charges are due and payable within thirty (30) days of receipt of the invoice. A charge of 1% per month will be added for late payments.
2. Construction administration staff will be billed at an equivalent grade, depending upon qualifications.
3. Unlisted scientists and other non-engineer professionals will be billed at the rate of a comparable engineer grade.
4. Overtime for para-professional and non-registered survey staff will be billed at 125% of the hourly rate and overtime will apply for hours worked in excess of 8 hours per day or 40 per week.
5. Time spent preparing for and providing depositions or courtroom testimony will be billed at 150% of the hourly rate.

**CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE
AGENDA REQUEST FORM**

MEETING DATE: October 27, 2020

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Discussion and action to recommend to City Council approval of one the statement of qualifications that were received for the development of Whitecap Circle using Coastal Management Program (CMP) Cycle 25 funds. (Boburka)

ITEM BACKGROUND

The City was awarded CMP Cycle 25 funds to improve Whitecap Circle Beach Access (#8). Statement of qualifications (SOQs) were received from various firms. Those SOQs are attached here along with a summary grading sheet.

BUDGET/FINANCIAL SUMMARY

CMP Cycle 25 funds: \$200,000

City matching funds (Fund 60): \$135,000

COMPREHENSIVE PLAN GOAL

Chapter III. Parks and Resources

GOAL 1: The City shall ensure protection and conservation of natural resources, such as beaches, dunes, wetlands, Laguna Madre waterfront and native flora and fauna, allowing for their sustainable use and enjoyment by future generations.

Objective 1.1 Beach and dunes shall be protected from both natural and artificial erosion.

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:



RFQ 2020-SL-03 – Professional Services for the Whitecap Circle Beach Access Improvements

Statement of Qualifications Received from:

- Hanson
- LJA Environmental Services
- Green, Rubiano, and Associates
- SWG
- Gignac

Ranking of SOQs based on Selection Grading (average):

1. GRA- 85/100
2. Hanson- 84.3/100
3. Gignac- 77/100
4. LJA- 76.9/100
5. SWG- 61.7/100

Individual Grades by Selection Committee:

Kristina Boburka, Shoreline Director

- Hanson- 89/100
- LJA- 88/100
- GRA- 89/100
- SWG- 69/100
- Gignac- 80/100

Erika Hughston, Shoreline Grant & Special Projects Administrator

- Hanson- 90/100
- LJA- 74.6/100
- GRA- 90/100
- SWG- 53/100
- Gignac- 73.1/100

Alex Sanchez, Public Works Direct

- Hanson- 74/100
- LJA- 68/100
- GRA- 76/100
- SWG- 63/100
- Gignac-78/100

POINT-OF-CONTACT

October 6, 2020

City of South Padre Island
ATTN: City Secretary
4601 Padre Blvd.
South Padre Island, TX 78597

 Doug Dusini, PE
 Project Manager
 713.953.5282
 ddusini@lja.com

Re: RFQ No. 2020-SL03 - Professional Services for Whitecap Circle Beach Access Improvements

Dear Members of the Selection Committee:

LJA Engineering, Inc., (LJA) is pleased to submit our Statement of Qualifications to provide required professional services for the project noted in the referenced RFQ. LJA is uniquely qualified and has gathered an unparalleled team to meet the needs of the City of South Padre Island (City) moving forward on this project.

Headquartered in Houston with offices in Corpus Christi, Austin, and Galveston to name a few, LJA has worked in SPI and surrounding areas for decades. Our regional presence is backed by over 1,200 professionals, many of whom have relevant experience to this project. LJA has successfully helped numerous Texas municipalities, counties and other local entities develop and implement beach/dune projects in compliance with federal, state and local regulatory requirements, working within funding source requirements (i.e. CMP, CIAP, etc.).

The LJA team has extensive experience in the planning and design of beach access improvements, surveying, topographic data, utility location and easements, and dune protection permitting, coordination with the General Land Office, development of bid specifications, contractor selection, and construction oversight. The designated Project Manager, Doug Dusini, PE, has more than 15 years of coastal engineering experience; and Assistant Project Manager, Peter Ravella, has over 20 years experience in coastal projects including an extensive record in beach and dune permitting with the GLO.

The LJA Team is committed to serving the best interests of the City. LJA is not under contract to the USACE-Galveston District or the Texas General Land Office for related work, so there is no conflict of interest. Our key staff members are supported by hundreds of professionals to help assure project timelines are met. We offer a professional, efficient, and cost effective management approach to completing the scoping, estimating, design, and permitting for projects assigned to the firm. We commit to provide quality investigations, surveying and coastal, structural, and utilities engineering services to the City of South Padre Island, and we look forward to your favorable consideration. Doug Dusini, will be your main point of contact and can be reached at 713.953.5282. Please call if you have any questions concerning our submittal.

Sincerely,



Jeff Coym, PE, Vice President
LJA Engineering, Inc.



TABLE OF CONTENTS

- TAB A** Firm Introduction **01**
- TAB B** Competence and Qualifications of the Responsible Individual **03**
- TAB C** Technical Adequacy of the Personnel and Sub-Consultants **04**
- TAB D** Previous Similar Work **28**
- TAB E** Record of Performance on Other Projects **32**
- TAB F** Ability to Perform within Budget Constraints **35**
- TAB G** Workload Capacity and Work within Schedule **36**
- TAB H** Proposed Approach for the Design Project **37**
- TAB I** Comments/Change Requests to Standard Form of Agreement **41**
 - Certification and Acknowledgment Form

COMPANY INFO, BACKGROUND & HISTORY

LJA Engineering, Inc. (LJA) is a corporation founded in Texas in 1972 when John "Dutch" Lichliter established The Lichliter Company. In 1976, Bill Jameson joined as president, and the firm was renamed Lichliter/Jameson & Associates. The firm has evolved over the past 48 years into LJA Engineering, Inc. as it is known today.

COMPANY OWNERSHIP STRUCTURE

LJA Engineering, Inc. was incorporated in Texas on June 13, 1997. LJA is an employee-owned, Houston-based corporation, offering full-service planning, engineering, surveying, and construction management to public and private sector clients.

OFFICE LOCATIONS

With over 1,200 employees in 36 offices across Texas, Oklahoma, and Florida, we are organized around nine comprehensive sectors:

- » Public Infrastructure
- » Land Development
- » Energy Services
- » Flood Control and Drainage
- » Transportation
- » Environmental & Coastal
- » Surveying
- » Rail Services
- » CEI

This allows us to best leverage our resources across our company, deliver expertise-driven teams, increase responsiveness to your specific needs, and individualize project solutions.

Our depth of services is comprehensive, our breadth of knowledge leads the industry, and our regional influence continues to positively impact our personal and professional communities.

The following table lists our headquarters and the primary offices that will service any contract resulting from this RFQ.

CITY, STATE	TELEPHONE	EMAIL	# IN OFFICE
Houston, TX (HQ)	713.953.5200	ddusini@lja.com	393
Corpus Christi, TX	361.360.2138	jgardner@lja.com	22
Austin, TX	512.767.7358	pravella@lja.com	74
Galveston, TX	409.291.5346	vjones@lja.com	2

48

YEARS IN BUSINESS

1,200

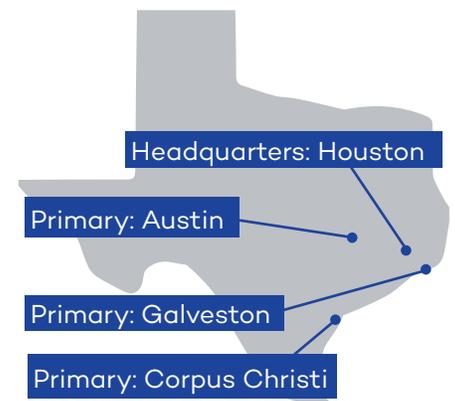
EMPLOYEE OWNERS

36

OFFICES

9

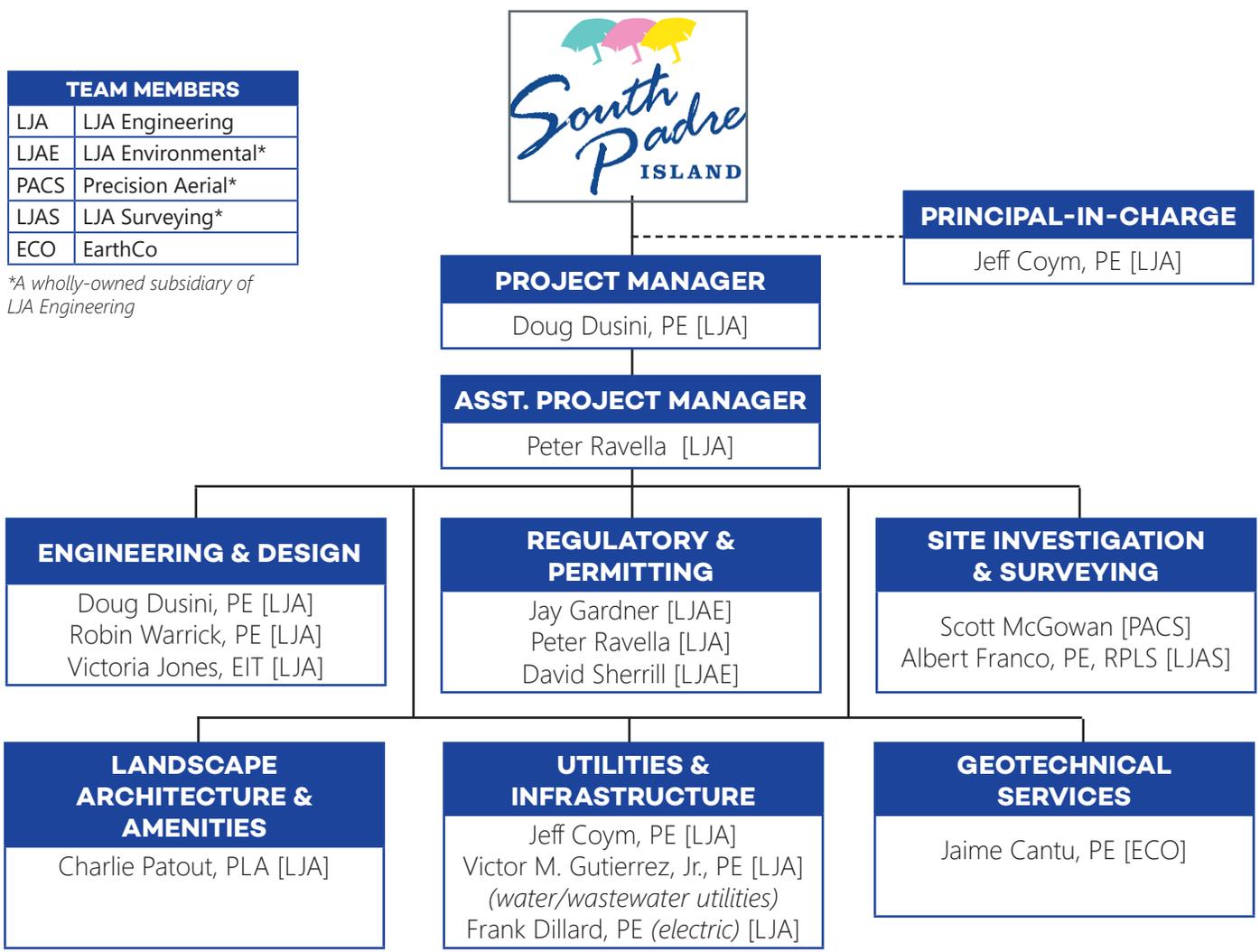
SECTORS



10

SUBSIDIARIES

ORGANIZATION AND STRUCTURE OF THE PROJECT TEAM



We anticipate less than 10% of work proposed will be performed by sub-consultants.

LJA's strongest asset is our reputation for providing quality services, understanding client needs, and our commitment to developing creative, innovative, and responsible solutions to a wide variety of project challenges.

COMPETENCE & QUALIFICATIONS OF THE RESPONSIBLE INDIVIDUAL

A. PROJECT MANAGER'S EXPERTISE

Doug Dusini, PE, Sr. Coastal Project Manager, will serve as Project Manager. Mr. Dusini is a licensed Professional Engineer in Texas, Florida, and North Carolina, with over 15 years of professional experience in the practice of coastal engineering, shore protection and sediment transport. Mr. Dusini has directed work spanning the southeastern Atlantic and Texas Gulf Coast including navigation channels, rivers, bays/estuaries, and Gulf of Mexico beaches.

Mr. Dusini's work includes shoreline protection and beach re-nourishment, inlet stabilization and relocation, assessment of potential storm damage to residential structures, design of coastal protection structures, navigational and recreational area dredging, and coastal hydraulics modeling.

Mr. Dusini has evaluated storm damage to structures and shorelines in South Carolina, North Carolina, and Florida. His experience has spanned from Hurricane Ophelia at North Carolina and continued to Matthew at Florida, and included several tropical storms. Mr. Dusini's diverse experience includes Federal and State disaster recovery projects. In addition, Mr. Dusini holds a FEMA public trust security clearance.

Mr. Dusini will ensure project objectives are met on time and within budget. He will coordinate with City staff to develop project goals and criteria. Status updates will be provided to the City and any stakeholders as necessary. Mr. Dusini will co-manage inter-jurisdictional coordination, public comment, and communications between the City and state agencies, as needed. He will coordinate with interdisciplinary team members to ensure successful delivery of projects.

B. SIMILAR PROJECT EXPERIENCE

Coordinated and completed investigations and assessments, design, and construction oversight for beach and dune restoration, beneficial dredge use, and shore protection projects. Coordinated and completed dredging and dredge placement plans, and regulatory requirements, for federal channel expansion.

C. EDUCATIONAL BACKGROUND

Please refer to the resumes following Section C.

D. LICENSE STATUS

Please refer to the resumes following Section C.

E. TRAINING AND CERTIFICATIONS

All team members are current in their license status and continuing education requirements.

F. TECHNICAL PUBLICATIONS

N/A

TECHNICAL ADEQUACY OF THE PERSONNEL AND SUBS

LJA employs diverse competencies of staff with adequate resources of over 1,200 personnel, and includes all investigations, engineering, design, regulatory and support personnel necessary for performing the scope of services required by the City of South Padre Island. Along with our subcontractor, our Team is capable of meeting the City's objectives with an efficient, knowledgeable and responsive team. Resumes for key personnel designated for this project are provided on the following pages. All our professional engineers are registered and in good standing with the Texas Professional Board of Engineers.

A. PERSONNEL ASSIGNMENTS

JEFF COYM, PE, will serve as Principal in Charge of the proposed project. Mr. Coym is authorized to legally bind the firm, and to commit the resources and staff necessary to fully meet the City's needs.

DOUG DUSINI, PE, Sr. Project Manager of Coastal Engineering, will serve as Project Manager. He is a licensed Professional Engineer in Texas, Florida, and North Carolina, with over 15 years of professional experience in the practice of coastal engineering, dune and beach assessments, shore protection and sediment transport.

PETER RAVELLA will serve as Assistant Project Manager for required regulatory and environmental studies, assessments and investigations, regulatory compliance and Agency and Stakeholder coordination.

DOUG DUSINI, PE and ROBIN WARRICK, PE, will have primary technical responsibility and oversight of designs and plans related to coastal and structural engineering and planning, and sign/seal engineering work products.

JAY GARDNER and PETER RAVELLA will serve as the project regulatory and environmental leads along with David Sherrill and Victoria Jones for required environmental studies, assessments, and investigations required for planning, design, possible mitigation, and State and Local authorizations.

RANDY TAILLON and ALBERT FRANCO, PE, RPLS will serve as lead survey managers for aerial, boundary, topographic, LiDAR and/or other survey requirements for site investigations, assessments, and design.

JEFF COYM, PE, VICTOR GUTIERREZ, PE and FRANK DILLARD, PE will have primary technical responsibility and oversight of designs and plans related to utilities and infrastructure.

CHARLIE PATOUT, RPLA will serve as the lead for planning and layout of project components and amenities.

SUBCONSULTANT EarthCo, LLC, a local Harlingen, Texas geotechnical firm will provide geotechnical investigations, pavement designs, and material testing, as required. LJA has utilized their geotechnical expertise in previous, successful projects and is confident in their proven experience.

RESPONSIBILITY AND COORDINATION

The key personnel above are supported by a staff of engineers and technicians with years of practical experience assessing, planning, designing, and providing bid and construction services for similar projects.

Individual Team Member resumes follow.

B. SIMILAR PROJECT EXPERIENCE

Please refer to the resumes of the proposed project team on the following pages.

C. EDUCATIONAL BACKGROUND

Please refer to the resumes of the proposed project team on the following pages.

D. LICENSE STATUS

All team members are current in their license status and continuing education requirements.

E. TECHNICAL PUBLICATIONS

N/A

JEFF COYM, PE

PRINCIPAL IN CHARGE



EDUCATION

2002, BS, Civil Engineering, Texas Tech University

PROFESSIONAL LICENSE

2008, Registered Professional Engineer, Texas #101983

PROFESSIONAL MEMBERSHIP

American Council of Engineering Companies (ACEC)

American Society of Civil Engineers (ASCE)

SUMMARY OF QUALIFICATIONS

Mr. Coym has 16 years of experience in municipal infrastructure design and project management. He is responsible for directing efforts of project teams, including the surveying and mapping and CADD technicians, to successfully complete specific projects. Jeff's experience includes projects carried from preliminary investigations through design and construction phases to final job acceptance. He is also in charge of day-to-day operations for LJA's Corpus Christi office.

PROJECT EXPERIENCE

City of Corpus Christi, Bear Lane from SPID to Old Brownsville Road, Corpus Christi, TX – Project engineer for this \$6.26M project, including reconstruction and widening of an existing 2-lane rural section roadway with drainage ditches to a 3-lane curb and gutter section with storm sewer and drainage outfall. Project included significant waterline and sewer line replacement/rehabilitation. Work on the project included surveying and mapping, preliminary engineering, final design, bidding, and construction phase services.

City of Corpus Christi Rodd Field Road Expansion, Saratoga Blvd. to Yorktown Blvd., Corpus Christi, TX – Project engineer for this \$15.2M project. The scope of this project is to reconstruct 9,000 LF of City Arterial Street along with replacement of all pertinent utilities. This project is currently in the early stages of construction.

City of Corpus Christi Whitecap Wastewater Treatment Plant Emissions/Odor Control and Bulkhead Rehabilitation Project, Corpus Christi, TX – Scope of this project is to remove and replace an existing, non-functioning odor control system with a new odor control system as well as repair damaged areas of bulk heading along the perimeter of the Whitecap WWTP. This project is in the design phase.

City of Corpus Christi Sanitary Sewer Overflow Initiative Program (SSOI) Amendment No. 3 City Wide Hydraulic Model, Allison, Greenwood and Broadway Service Areas, Corpus Christi, TX – Principal-in-charge and project director for performing a dynamic hydraulic model analysis on one-half of the complete wastewater collection system of the City of Corpus Christi. LJA's portion included 500 miles of sewer lines, 50 lift stations and three wastewater treatment plants. LJA submitted the first draft to the City in May 2014. LJA's project fee at this stage is approximately \$600,000. LJA worked as a subconsultant under Pipeline Analysis, LLC and alongside LNV, Inc., which performed the hydraulic modeling analysis for the other half of the City's wastewater collection system.

City of Corpus Christi City-Wide Collection System Replacement and Rehabilitation Indefinite Delivery/Indefinite Quantity Program, Corpus Christi, TX – This project consists of Wastewater Collection System Improvements in two of the six wastewater plant service basins, Laguna and Whitecap. The scope of work included, but was not limited to: rehabilitation and/or replacement of manholes, rehabilitation and/or replacement of gravity collection lines and/or force mains by pipe bursting, cured-in-place pipe, and/or open-cut method for lines up to 36" in diameter, gravity line point repairs, dewatering through well pointing, control of wastewater flows through bypass pumping, cleaning and televised inspection of conduits, as needed SWPPP/permit compliance, and temporary traffic controls. All work for this project was executed with multiple indefinite quantity delivery orders.

City of Corpus Christi Greenwood Wastewater Treatment Plant Emissions and Odor Control Improvements, Corpus Christi, TX – Project consisted of sampling and analyzing multiple sources of odor at the Greenwood WWTP to determine and design the best method of treating these odors. The target areas were the influent lift station, the parshall flume and aerated grit chamber. From these three areas, odors were drawn into a Bioair Biotrickling filter odor control system. To date, the Biotrickling filter is achieving 99% H₂S removal from the areas it is pulling odors from. This project also inspected odors at the Influent Structure, Grit Chamber, Flume Channel, Dissolved Air Flootation Thickener (DAFT) and Digester Cover.

City of Corpus Christi McBride Lift Station and Force Main Improvements, Corpus Christi, TX – Project scope involves demolition and rehabilitation of the existing McBride Lift Station as well as the installation of an 18" force main under IH-37 by method directional drilling construction.

City of Portland Phase 9 Seal Coats, Overlays and Rehabilitation Project, Portland, TX – LJA, formerly CRG, worked in conjunction with Fugro, Inc. to utilize Fugro's automated pavement survey vehicle to prepare a database of all roadways within the City of Portland (Length was 70 miles). Utilizing the PCI data, CRG, Fugro and the City of Portland mapped out a paving program for three alternating year's program (Phases 9, 10 & 11 totaling \$18M) for seal coating, mill and HMAC overlay and full depth reconstruction. The seal coat portion of Phase 9 was completed in October 2015. The mill and overlay and full depth reconstruction portion was bid and awarded in November – December 2015 and the notice to proceed was issued in January 2016. Construction was completed in September 2016.

Large Diameter Sanitary Sewer Cleaning and Inspection Program, Corpus Christi, TX – This project involved the preparation and development of the necessary technical specification and procurement documents for the City's large diameter (18" and above) sanitary sewer cleaning and inspection program. It provided for the issuance of service orders for inspection and cleaning of the sanitary sewers. Service orders included developing the required scope, review of closed circuit (CCTV) inspection of the lines, construction exhibits, cost estimates and performing construction administration for service order execution. Coym, Rehmet and Gutierrez Engineering, L.P. issued service orders upon the City's request and on an as-need basis for approximately \$2M per annum, cleaning and inspection services over the life of the three-year base contract.

Wastewater Collection System for Four Colonias, San Diego, TX – Design engineer for this \$2.5M project to furnish sanitary sewer to four previously-unserved Colonias, adjacent to San Diego, Duval County, TX. Project included 18,800 L.F. 6" and 8" gravity sanitary sewer, 146 house laterals and connections, four new lift stations, 8,440 L.F. force main, rehabilitation of a major existing lift station, all appurtenances and associated improvements.

DOUG S. DUSINI, PE

PROJECT MANAGER



EDUCATION

2005, MS, Civil Engineering, Ohio State University
2001, BS, Civil Engineering, Ohio State University

PROFESSIONAL LICENSE

Professional Engineer: 2010, North Carolina #036593;
2010, Florida #71756; 2017, Texas #127813

PROFESSIONAL MEMBERSHIPS

American Shore & Beach Preservation Association (ASBPA)
American Society of Civil Engineers (ASCE)

SUMMARY OF QUALIFICATIONS

Mr. Dusini graduated from Ohio State University, where he studied coastal hydraulics for his MS in civil engineering and environmental engineering for his BS in civil engineering. He is a licensed Professional Engineer in Texas, North Carolina, and Florida. During his 12 years of coastal engineering practice, he has designed and managed projects along the southeastern Atlantic coast of the United States, the Florida Gulf coast, Bermuda and at several locations in the Caribbean.

His work includes shoreline protection and beach renourishment, inlet stabilization and relocation, navigational and recreational area dredging, FEMA flood map revisions, assessment of storm damage to residential and other coastal structures, coastal hydraulics modeling, and construction project inspection. Mr. Dusini has evaluated storm damage to structures and shorelines in South Carolina, North Carolina, and Florida. His experience has spanned from Hurricane Ophelia at North Carolina and continued to Matthew at Florida, and included several tropical storms. He has FEMA public trust security clearance. His Department of Homeland Security badge expires August 2021.

PROJECT EXPERIENCE

Sienna Plantation Levee Improvement District, Steep Bank Creek Bank Stabilization, Fort Bend County, TX – Frequent flooding of the Brazos River has exacerbated bank failure along the tributary Steep Bank Creek. The failure of the bank along the south end of the earthen levee threatens the levee and the Sienna Plantation residential community. In 2019, Mr. Dusini managed the analysis of the bank failure and the design of a gabion structure along a 220' section of the bank. The design includes granular fill between the gabion structure and the channel bank and preserves the curvature of the inside bend of the meander. The gabion structure is designed to direct flood level creek flow away from the bank.

Sabine River Authority, Lake Tawakoni Spillway Channel Bank Stabilization, Rains County, TX – The dam outfall at the south end of Lake Tawakoni has shown increased scour and bluff retreat that threatens the buildings and other infrastructure on the east side of the outfall channel. In 2019, Mr. Dusini managed the assessment of the design of the bluff protection, which consists of a steel sheetpile and pipe pile retaining wall along 415' of channel bank. The retaining wall uses helical anchor piles for stabilization. Riprap is placed for toe protection. The property above the retaining wall is regraded and drainage is improved with surface water inlets and groundwater drains that discharge through ports to the channel side of the retaining wall.



Lynchburg Ferry Emergency Repairs, Houston, TX – In 2017, Mr. Dusini assessed the conditions of the existing breakwater that provides wave protection for ferries while in berth at the north landing. He conducted an analysis of typical as well as extreme waves and currents at the site. He designed the rubble-mound breakwater to tie into the existing riprap revetment, provide adequate clearance for the ferry hulls at extreme low-water conditions, and provide overtopping protection for a 50-year sea level rise. Mr. Dusini also optimized the length of the breakwater to be able to replace a derelict breakwater structure near the entrance to the berthing area.

Beach Nourishment at McFaddin National Wildlife Refuge – This Southeast Texas refuge suffers from chronic Gulf of Mexico Shoreline retreat that has already consumed over 20 miles of State Highway 87. Mr. Dusini provided quality control for construction phase document submittals for the beach nourishment project to manage retreat and restore wildlife habitats.

River Bank Erosion Protection, Port Neches, TX – Acting as a team coastal engineer, Mr. Dusini provides construction monitoring of the three-phase project to protect the City's riverfront shoreline from large vessel wakes and tidal currents, including improvements to the historic waterfront with public amenities (future boardwalk, amphitheater, etc.), demolition of relict industrial pier structures, and current design of a shore protection breakwater and living shoreline.

The Atriums Condominiums, Palm Beach, Florida – In 2014, The Atriums property had experienced dune and bluff recession due to seasonal and tropical storms. The seawalls protecting the buildings had been buried by several feet of sand cover during past beach and dune redevelopments. Mr. Dusini, acting as project engineer and assistant project manager, assessed the site conditions, managed the excavation of the seawalls, and designed the elevation of the seawalls' revised elevation for continuing protection of the condominium structures.

Pelican Island Bridge Foundation Rehabilitation, Galveston, TX – In 2018, Mr. Dusini performed the assessment of the hydraulic conditions at the trestle bents of the bridge foundation and designed the riprap protection plan for each of the affected trestles.

Velasco Drainage District Levee Certifications, TX – In 2018, Mr. Dusini prepared the analyses of the hydraulic forces affecting the levee at its pump stations, levee gates, intake structures, floodwalls, and other structural elements.

Bogue Banks Beach Reconstruction, North Carolina – Mr. Dusini was the project engineer responsible for the design of beach profiles and plan template to place over 1.1 million CY of sand along over five miles of beach. The beach reconstruction project included replacement of sand recently eroded by Hurricane Ophelia. Mr. Dusini coordinated with officials from each of the four affected towns, the county, and the state to assess conditions for meeting eligibility requirements for FEMA Category G assistance.

PETER A. RAVELLA, JD

ASSISTANT PROJECT MANAGER



EDUCATION

1983, BS, Marine Biology, Honors, Texas A&M University, with honors
1986, JD, Environmental Law Certificate, Cornelius Honor Society, Northwestern School of Law, Lewis and Clark College

PROFESSIONAL MEMBERSHIPS

American Shore and Beach Preservation Association
Texas Shore and Beach Preservation Association Board
Washington State Bar Association, 1988
Oregon State Bar Association, 1987

SELECT PUBLICATIONS

Texas Coastal Management Program, Final Environmental Impact Statement, Co-Author
Texas Coastwide Erosion Response Plan – A report to the 75th Texas Legislature, Co-Author
ASBPA White Paper, Coastal Funding for Local Projects, An Overview of Considerations, Policies and Practices, Local Funding Workgroup Chair and Co-Author
South Padre Island and Cameron County Erosion Response Plans, Co-Author

SUMMARY OF QUALIFICATIONS

Mr. Ravella is a coastal consultant with expertise in a broad range of services for public and private sector clients along the coast, working primarily in Texas, North Carolina, and Florida. He is the Publisher of Coastal News Today and the American Shoreline Podcast Network and Co-host of the American Shoreline Podcast.

For more than two decades, Mr. Ravella has collaborated with project engineers, planners, architects, local elected officials, and government staff to plan, fund and execute coastal plans and projects. Mr. Ravella has extensive experience in shoreline management planning and coastal project development, permitting and implementation. He is an experienced project team leader proficient in coastal land planning, coastal land use policies and regulations, CEPRAs erosion response planning, beach and dune restoration, federal and state permitting, beach access planning, state and federal agency coordination, community engagement, grant acquisition and project financing. Mr. Ravella is highly skilled in public communication, outreach and stakeholder engagement.

Mr. Ravella's focus is the integration of regulatory compliance, community perspectives, and project funding into the planning and design processes to ensure that coastal projects are not only technically sound but affordable, meet the needs of the community, and satisfy the requirements of regulatory agencies. Since 2000, Mr. Ravella has developed and put in place more than \$250 million in project funding using a wide array of financing tools such as grants, bonds, hotel occupancy and sales tax revenues, ad valorem taxes, and creation of special tax districts in a variety of forms. His motto: Understand the Problem, Find the Solution.



PROJECT EXPERIENCE

Shoreline Planning & Permitting Experience:

- Cameron County Erosion Response Plan (2017-18)
- South Padre Island, North Shore Study, Texas General Land Office (2015-16)
- City of South Padre Island Erosion Response Plan (2012-13)
- Jamaica Beach Erosion Response Plan (2007-08)
- Cameron County Isla Blanca Park, Site Planning, Beach Access & Dune Mitigation Permit (2017-18)
- Cameron County E.K Atwood, Site Planning, Beach Access & Dune Mitigation Permit (2016-17)
- Cameron County Andy Bowie Park Site Planning & Permitting (2016-17)
- Hilton Garden Inn, South Padre Island, Beach Access & Dune Permit (2010-11)
- Shores Subdivision, South Padre Island, Beach Access Plan & Beach/Dune Permit (2008-09)
- Ocean Tower, South Padre Island, Beach/Dune Permit Construction & Demolition (2006-07)
- La Quinta Hotel, South Padre Island, Dune Restoration Plan, Beach Access & Dune Permit (2005)
- Centex Destination Resorts, Point San Luis Development, Galveston, Beach Access & Dune Permit
- Matagorda County Nature Park & Preserve, Matagorda County, Beach Access & Dune Permit

Project Planning & Financing Experience

- Charlotte County, FL Shoreline Management Plan and Financing Strategy (2017-19)
- SPI Restore Act Grant Applications (2015-2016)
- Palacios Pavilion Financing Plan, Palacios, Texas (2014)
- Lake Nasworthy Redevelopment and Land Use Plan, San Angelo, Texas (2013-2014)
- Terminal Groin Financing Plan, Village of Bald Head Island, NC (2014)
- Lasara Community Trail Project Financing & Grant Management, Lasara, Texas (2014)
- Beach Restoration Project Financing Plan, Town of Surf City, NC (2013)
- Coastal Project Funding, Hotel Occupancy Tax Restructuring, South Padre Island (2013)
- Beach Restoration Project Financing Plan, Town of North Topsail Beach, NC (2013)
- Beach Restoration Project Financing Plan, Town of Topsail Beach, NC (2010)
- Willacy County, CIAP Grant Administration and Planning (2010-14)
- Laguna Point Recreation Area, Planning and Financing, Port Mansfield, Texas (2012-15)
- Coastal Lands Resources Center, Planning and Financing, Port Mansfield, Texas (2013-15)
- Harbor Boat Ramp Rehabilitation, Grant Acquisition & Planning, Port Mansfield, Texas (2013-14)
- Southern Small Craft Boat Launch, Grant Acquisition & Planning, Port Mansfield, Texas (2012-14)

PAST WORK EXPERIENCE

- Founder/Publisher, Coastal News Today and the American Shoreline Podcast Network(2018-present)
- Founder/President, PAR Consulting, LLC., (2008-2020)
- Coastal Management Director, Coastal Technology Corp., Austin, Texas (2000-2007)
- Coastal Division Director, Texas General Land Office, Austin, Texas (1993-1999)
- Legislative Analyst Energy & Environment, Cong. Ron Wyden, Washington DC (1991-1993)

ROBIN C. WARRICK, PE, SIT

STRUCTURAL ENGINEERING & DESIGN



EDUCATION

2007, BS, Civil Engineering, Lamar University

PROFESSIONAL LICENSE

2011, Professional Engineer, Texas #110393
New Mexico, Oklahoma, Iowa, Pennsylvania,
Louisiana, Colorado

SUMMARY OF QUALIFICATIONS

Mr. Warrick is a structural engineer and project manager in LJA's Marine Facilities Group and has been with LJA since 2012. He has over 10 years of experience designing bulkheads, bridges, docks, fender systems, structural inspections and piping and industrial structures. Mr. Warrick's responsibilities have included project management, design supervision, structural design, civil design, cost estimating, scheduling and specification development.

PROJECT EXPERIENCE

Slope Protection, LCRA, Garwood, TX – Design of slope protection for LCRA intake pump station. Tasks included design of 120 LF of sheet pile toe wall along with required slope protection. Additional tasks included permitting support, hydraulic analysis, construction cost estimating, bidding, and construction support.

Bulkhead, Port of Texas City, Texas City, TX – Lead structural engineer and project manager for design of a deep water helical anchored, bulkhead at the Port of Texas City. Tasks for this project included developing a bulkhead to be installed around existing structures to increase land use for a maintenance yard, and provide shoreline stabilization. Special consideration was given to the wall alignment and anchor system to reduce the required excavation as well as allow for the installation of the anchors through a network of existing piles parallel the new bulkhead. Additional tasks included development of construction cost estimate and construction management support.

Oyster Creek Bulkhead, Imperial Market, Sugarland, TX – Lead structural engineering for approximately 1,150 linear feet of bulkhead design. Design covered roughly 300 LF of bulkhead repair which included assessing the existing bulkhead for the new landside use and developing a sequence to test the capacity of the existing anchor system. Additional tasks included bulkhead alignment, anchor system layout to avoid interferences and construction cost estimate.

Bulkhead Repair, PRSI, Pasadena, TX – Lead structural designer for the alternative repair or replacement analysis and design of the PRSI existing 260 foot bulkhead. Responsibilities included evaluation of existing condition to determine the best means of repair or replacement. Design of the new bulk head included a tie system that would tie the new sheet piles and wale into the existing wale and ties. Special consideration was taken for the installation method due to the underwater tunnel in the near vicinity.

Dock Inspections, Port of Texas City (POTC), Texas City, TX – Lead engineering for the dock inspections at the POTC. Tasks include inspection and condition assessment of 13 liquid transfer docks and the associated shore protection within the port. Additional tasks include making repair recommendations including location needing repair, repair method and urgency.

SPPA Pier, Sabine Pass Port Authority, Sabine Pass, TX – Assistant Project Manager and lead structural designer for a concrete pier replacement. The replacement pier has roughly 600 LF of dock frontage with six boat slips and is designed with precast elements primarily. The concrete piles, pile caps and slab beams are all precast with a cast in place topping slab. Tasks included a mooring and berthing analysis to determine design loads for the pier, bulkhead repair design, construction cost estimate, drawing production management, and contract and specification preparation.

Confidential Client, TX Oxy, Ingleside, TX – Project manager for structural inspection and dock capacity analysis. Tasks included a partial structural health inspection concrete connections, assessment of dock to increase berthing capacity for larger and deeper vessels, recommend modifications for dock upgrade, and project scheduling.

Lynchburg Ferry Landing, Emergency Repair, Harris County, Baytown, TX – Project coordinator for design of the berthing and mooring system. Tasks included leading the design effort of the structural marine systems, project scheduling, and cost estimating.

Velasco Drainage District Levee Inspection/FEMA Certification, Brazoria County, TX – Lead structural engineer, inspector and assistant project manager for inspection of the 66 structure on Velasco Drainage District's (VDD) federal levee. Tasks for this project included inspecting and assessing the current structural integrity and performing a design checks of the levee structures for compliance with FEMA and USACE regulations. Additional tasks included making repair recommendations to bring deficient structures up to an acceptable rating for VDD to obtain a levee certification.

Dock 42/43 FEED Study, Port of Texas City, Texas City, TX – Lead structural engineer and project manager for a feed study for a proposed liquids loading terminal at the Port of Texas City. Tasks for this project included evaluating the proposed location for functional placement of the dock to berth Aframax class vessels, conducting a mooring and berthing analysis, coordinate with local ship pilot to conduct operational simulations, develop a conceptual mechanical layout to the estimated piping and loading equipment, coordinate with USACE to obtain required dredge permits, Assumption of Maintenance, and channel realignment.

USACE SELA-7B, TRS, Conti, Jefferson Parish, LA – Project Manager and lead structural designer of the temporary retaining structure allowing the installation of 3 - 84" diameter discharge pipes as part of the Southeast Louisiana Urban Flood Control Project. Tasks included full sheet pile retaining wall design with wales and struts in accordance with USACE project specifications for roughly 1 mile of trenching activity.

CLCND Flume, Chamber and Liberty County Navigation District, Chambers County, TX – Lead structural designer for an 80 foot tied arch aqueduct crossing Double Bayou and canal diversion. Responsibilities include shoring and abutment design, structural steel design, prestressed concrete deck design and cost estimating. Design of the aqueduct included consideration of combined axial and flexural loads acting on sheet piles used for both abutment support and soil retention, a hydraulic study to determine pre and post construction flood elevations, analysis of the tied arch and prestressed slab design for the aqueduct. Cost estimating was performed to ensure the designed structure could be constructed within the designated budget.

Crude Transfer Terminal, GT Logistics, Jefferson County, TX – Lead structural designer for the development of a 1,100 acre industrial storage and crude transfer facility. The facility will operate as a rail switch yard and be set up to pump crude oil from rail cars to load on a barge 1 mile away. Responsibilities have included as built bridge analysis of existing timber and steel bridges, rail and truck bridge design, foundation design, pipe rack design, equipment layout, loading dock design, project coordination and scheduling.



JAY GARDNER

ENVIRONMENTAL AND REGULATORY



EDUCATION

2000, BS, Biology, Texas A&M University – Corpus Christi

PROFESSIONAL REGISTRATIONS

OSHA HAZWOPER

Wetland Delineation

MOCC Boat Certification, USFWS/DOI

CPR and First Aid Certification

PROFESSIONAL AFFILIATIONS

- Wetland Training Institute (3/2006)
- Vice President, Coastal Conservation Association, Corpus Christi Chapter
- Chair, Habitat Today/Fish for Tomorrow Committee
- CCA-Texas and State Board Member
- Chair, Island Strategic Action Committee (ISAC) for the Corpus Christi City Council
- Previous Co-Chair, Watershore and Beach Advisory Committee for the Corpus Christi City Council

SUMMARY OF BEACH & SHORELINE ENVIRONMENTAL/PERMITTING QUALIFICATIONS

Mr. Gardner has been involved with beach and dune permitting, restoration, and mitigation for fifteen years. Projects have included developments, walkovers, and dune restoration on Padre and Mustang Island, South Padre, Cameron County beaches and Matagorda Island, as well as permitting and compliance monitoring for USACE permits regarding beach maintenance. He is very knowledgeable of local beach/dune rules, Texas Administrative Code Chapter 15, The Open Beaches Act and Chapters 61-63 of the Natural Resources Codes dealing with beach access, rights, and dune protection. Mr. Gardner has spent many volunteer hours drafting and revising Beach Management Plans with the City of Corpus Christi, Nueces County, Cameron County, and the TGLO.

Mr. Gardner has worked with a variety of coastal governments, UTBEG, the TGLO, citizen committees and task forces regarding beach and dune mapping, management, and protection. Mr. Gardner has also served to review proposed projects from local governments, engineers and scientists. His staunch review of projects typically results in additional protection or improvement of projects and our natural resources, that typically result in cost savings through efficiency.

PROJECT EXPERIENCE

Representative Beach/Dune Projects

- Cameron County Beach Maintenance Permit (USACE) and monitoring
- Bob Hall Pier Expansion
- Nueces County Beach Maintenance Permit and monitoring
- Nueces County Coastal Parks Master Plan
- Port Royal Walkover
- Island Park Estates subdivision and walkover
- Beachview Estates subdivision and walkover

- Lost Colony Dune Restoration
- Sunrise Shores subdivision and walkover
- James Worth Utilities Port Aransas Dune Permit
- Cabela’s Beach Houses subdivision and new beach access road
- Jim Williams Beach access road and development
- La Concha (various lots, DPP/BCC) subdivision and walkover
- Bella Vista subdivision
- BriteStar subdivision and walkover
- Padre Balli Park Improvements

Shoreline Protection Projects

- Laguna Point Recreational Area – City of Port Mansfield
- Fulton Beach Road – City of Rockport/Fulton
- Little Bay Oyster Restoration Project -
- Packery Channel Park – Nueces County
- PJ’s Marina
- JFK Boat Ramps and Bulkhead
- Tortuga Harbor
- Barney Davis/Talen Energy intake channel repair
- Environmental Assessments and Other Regulatory Experience

Sample Innovative Projects

- **Tortuga Dunes** – Forestar Group, Inc. is a large scale residential development that required approximately 100,000 C.Y. of mitigation to be accomplished (one of the largest private projects on the Texas coast). This project included construction of a dune structure three football fields in size, 24 feet tall, as well as protracted mitigation efforts to stabilize the area and promote native vegetative growth. The mitigation dune was so sizable, that the FEMA elevation designation was able to be amended, and the flood zone designation was changed. In addition, several walkovers were able to be combined through creative engineering and permitting, which reduced the proliferation of walkovers in the area.
- **Gulf Shores** – Bella Vista LLC.: As a result of an adjacent project needing mitigation, this project provided an opportunity to improve a historically disturbed area seaward of a local condominium. The dunes in front of the condo were repaired using imported material, and live plant material was used to stabilize the repaired sand dunes. Due to proper planning and timing, the repaired dunes revegetated in substantially less time than is required. These engineered dunes have held up through the recent storms.
- **Beachwalk II Walkover** – Beachwalk II HOA: An existing walkover was re-designed and re-constructed to improve access. The previous walkover was not ADA compliant due to variations in the existing dune structure. Engineering and permitting was accomplished that used the existing walkover to access the site (prevented temporary impacts), the walkover was raised allowing for dune migration, and the new walkover incorporates a new design that will be more conducive to storm and seasonal fluctuating line of vegetation movements.

Additional Experience

He is civically active, spending time Chairing several Corpus Christi City Council committees, works with the City Parks Board, and the Beach Management Advisory Committee. He chairs the CCA-Texas Habitat Today/ Fish for Tomorrow committee that has partnered with a variety of stakeholders and has helped coordinate more than \$8 million in coastal and nearshore habitat restoration and enhancement projects, including the Rio Grande Valley Reef (Friends of RGV Reef). He was part of a team that received an award from Texan by Nature, presented for former first Lady Laura Bush.

DAVID SHERRILL

REGULATORY & ENVIRONMENTAL SUPPORT



EDUCATION

1995, MS, Applied Geography Resource and Environmental Studies, Southwest Texas State University

1993, BS, Resource and Environmental Studies, Southwest Texas State University

CERTIFICATIONS/AFFILIATIONS

Certified Wetland Delineator 1999; Society of Wetland Scientists
Federal Energy Regulatory Commission (FERC) Training and Certification
National Environmental Policy Act (NEPA) Training and Certification
Texas Department of Transportation Certification No. 6551
TXDOT precertified in 1.3.1, 2.3.1, 2.4.1, 2.4.2, 2.4.3, 2.5.1, 2.6.1, 2.6.2, and 2.13.1

SUMMARY OF QUALIFICATIONS

Mr. Sherrill has 25 years of experience in wetland and land use management and has been employed as a Project Manager for wetland ecological services and other environmental assessments. Currently, Mr. Sherrill is a Senior Vice President after serving for six years as the Director of Permitting and Land Use. Mr. Sherrill has expertise in the U.S. Army Corps of Engineers (USACE) Clean Water Act Section 404 wetland permitting, CWA Section 401 Water Quality Certification, and the Rivers and Harbors Act Section 10. He has a diverse background in natural resource assessment, specializing in wetland delineations, wetland permitting, and the creation and mitigation of wetlands and Section 401 water quality plans. Mr. Sherrill has a thorough knowledge of environmental and wetland regulations, particularly the Clean Water Section 404, allowing him to successfully coordinate large-scale, multi-task projects. He also has expertise with coastal permitting issues and has consulted and coordinated over 50 projects located within the coastal zone or within submerged land owned by the Texas General Land Office (TGLO). In addition to USACE permit approval, the coastal projects involved the coordination of approved TGLO coastal land use permits, Beach Construction Certificates, and/or dune mitigation plans. During his career, David Sherrill has coordinated over 450 wetland delineations which were verified by the USACE, coordinated permit approval for over 100 Individual Permits and 250 Nationwide Permits including NW 7, 12, 13, 14, 26, 29, 33, 39, 42, 18. He has also completed over 20 Section 10 dredge and fill permits.

PROJECT EXPERIENCE

Aransas Pathways Project for the City and County, Aransas County, TX – Mr. Sherrill was the Project Manager who oversaw ecological assessments of five tracts owned by Aransas County or the City of Rockport. The purpose of the study was to develop a comprehensive plan for properties owned by the APP to restore wetlands, improve habitat conditions for birding and waterfowl, identify noxious invasive species, develop a plan to eradicate and control noxious species, and make recommendations regarding the long-term maintenance of the tracts. The APP purpose was to promote eco-tourism by preserving and enhancing existing County and City owned tracts in the Rockport and Fulton areas, which includes: birding opportunities with observation towers and boardwalks, historic site seeing, water-based recreational activities, hike and bike trails, and public education centers which promote wildlife conservation.



Rockport Islands, Islands of Rockport, LP, Aransas County, TX – Islands of Rockport, LP purchased the 72-acre tract located east of the S.H. 35 and S.H. 188 intersection in Aransas County, Texas for the purpose of developing a waterfront canal residential subdivision. Mr. Sherrill delineated eight non-tidal, freshwater wetlands totaling 13 acres, 1.5 acres of sea grasses, tidal fringe wetlands, and the Section 10 boundary. A wetland delineation was also conducted for the 35-acre off-site wetland mitigation area which contained 20 acres of non-tidal jurisdictional wetlands. Both wetland delineations were mapped using GPS equipment according to the Corps 2003 GPS standard operating procedures. Mr. Sherrill also assisted the client during the Individual Permit process to impact unavoidable impacts for the purpose of developing a canal residential development with direct marine access to the Gulf Intracoastal Waterway.

East Beach, Palisade Palms High Rise Condominiums, Falcon Group, Galveston, TX – Project Manager for the wetland delineation and permitting for 16.29 acres of land located in Galveston, Texas, along the eastern shoreline of the Gulf of Mexico. The project involved preparation of a comprehensive wetland delineation of saltwater, brackish, and freshwater marsh; identification and differentiation of Section 10 and Section 404 jurisdictional limits; delineate of coastal dunes and Texas General Land Office (TGLO) jurisdiction limits for Coastal Zone Management Consistency, and the preparation of a compensatory wetland mitigation plan and dune mitigation plan. An Individual Permit was approved in March 2003, which authorized the fill of three dune swale wetlands to be mitigated by preserving and enhancing a 25-acre tract on Galveston Island, containing brackish and tidally influenced marshes. A Beach Construction Certificate was approved by the TGLO, which authorized the impact to three dunes which were mitigated by creating a new dune on site.

Bolivar Yacht Basin, Galveston County, TX – Mr. Sherrill was the Wetland Delineation Project Manager for the proposed single-family residential waterfront canal development, an approximate 260-acre tract located west of the S.H. 87 and Boyt Road intersection in Galveston County, Texas. His responsibilities included assessment of waters of the U.S. including wetlands in accordance with the USACE's Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (v.2) utilizing site reconnaissance, aerial photo interpretations, vegetation identification, and GPS satellite equipment. The project was proposed to provide over 250 residential lots that have direct boat access to Galveston Bay. An Individual Permit application was submitted to the Corps which was approved on July 31, 2012.

City of Galveston Master Drainage Plan, Dannenbaum Engineering Corporation on behalf of the City of Galveston, Galveston, TX – Project Manager for an environmental baseline overview for Galveston and Pelican Islands for the City of Galveston Master Drainage Plan project, Galveston County, Texas. The project involved the preparation of the environmental baseline overview for the City of Galveston to develop a cost-effective evaluation of Galveston and Pelican Island for wetlands, hazardous wastes, threatened and endangered species, and cultural resources that may influence the design and/or construction of future drainage improvements projects. The project included Infrared Digital Orthoquad Imagery Overlay (IR) to provide a clear aerial photograph that can assist in land use determination, wetland analysis, and overall location analysis.

VICTORIA L. JONES, EIT

ENGINEERING & REGULATORY SUPPORT



1994, MS, Coastal and Oceanographic Engineering,
University of Florida
1991, BS, Maritime Systems Engineering,
Texas A&M University

PROFESSIONAL LICENSE

1996/2013, Engineer-In-Training, Texas #25485

PROFESSIONAL CERTIFICATION

Wetland Delineation (Wetland Training Institute, 2014)

PROFESSIONAL MEMBERSHIPS

American Shore and Beach Preservation Association (ASBPA)

SUMMARY OF QUALIFICATIONS

Ms. Jones is Project Coordinator for LJA's Coastal Division. She has over 25 years of experience in coastal engineering with a variety of design, research, and academic practice including assessments and investigations of cross-shore systems, shoreline process analysis, coastal protection, structures and restoration, shallow water hydrodynamics, ocean measurements, and geotechnical engineering.

Ms. Jones is knowledgeable in physical and numerical modeling for shoreline change analysis, proficient in beach profile surveying and analysis, and experienced in sediment analysis and selection based on long- and cross-shore transport, for coastal projects. She has over 20 years of field data collection and processing experience and assessments and analysis of coastal processes including wind/wave forces, along shore and cross shore littoral sediment transport and shoreline evolution.

Ms. Jones is experienced in NEPA and ESA compliance documentation, FEMA-HUD Texas Disaster Recovery documentation, environmental assessments, Federal and State permitting and certifications, and Regulatory coordination.

PROJECT EXPERIENCE

McFaddin National Wildlife Refuge Beach Ridge Restoration – As Project Coordinator, Ms. Jones co-authored the Environmental Assessment and NEPA compliance (resulting in a FONSI) for 19.7 mile dune restoration and beach nourishment project. Additional duties included the determination of nourishment profiles, construction feasibility analysis, and alternatives analysis. She led regulatory coordination with public agencies and stakeholders, and the development of permit documents and drawings. Ms. Jones co-authored several RFP's for special project monitoring and surveying, corresponded with potential bidders and stakeholders, and oversaw monitoring coordination and practices during initial phase construction for environmental and archeological requirements. As a Graduate Engineer, Ms. Jones designed initial beach fill and cross-shore nourishment sections and was part of the beach surveying/field data collection team. She assisted in final design/construction drawings, project specifications, and bid phase services. She also assisted in construction oversight and closeout.

TX State Highway 87 Protection, Bolivar Peninsula, TX – As Project Coordinator, Ms. Jones was part of a team for beach survey data collection and analysis for the assessment of roadway protection for a length of highway frequently inundated by tidewater and storm surge. As Graduate Engineer, she assisted in revetment design for beachside roadway protection within ROW, document and drawing preparation, regulatory support, and coordination with USFWS - Anahuac National Wildlife Refuge landowner.

Federal Channel Dredging and Dock Construction, Port of Texas City – As Project Coordinator Ms. Jones assists in the effort to obtain Section 408 (Federal Real Estate) and Section 10/404 (Navigation and Clean Water Act) clearance to deepen and widen the Federal Industrial Canal and construct new docks adjacent to the canal within the Port of Texas City. She also led the effort to obtain State clearance for dredge placement in an adjacent DMPA on state-owned land. Additional duties include exhibit preparation, report modifications, and design plan updates.

Neches Riverfront Erosion Response, City of Port Neches – As Project Coordinator, Ms. Jones leads the regulatory coordination with public agencies and stakeholders, and the development of permit documents and drawings for offshore breakwater design and living shoreline creation, derelict structure removal, and City riverfront boardwalk design. As a Graduate Engineer, she assists with final design drawings, project specifications, and bid phase documentation.

Seawall Repair, Sabine Pass, TX – Ms. Jones leads the Federal and State regulatory effort for the rehabilitation and repair of the seawall and component structures at the Sabine Pass Battleground State Historic Site. This project is part of the Hurricane Harvey emergency response effort and is partially funded via FEMA.

McFaddin National Wildlife Refuge Overwash Protection Berm – As a Graduate Engineer, Ms. Jones conducted analysis of wave runup and overtopping on a clay core berm, and conducted volumetric impoundment and sheet and stream flow analysis of drainage times following inundation due to extreme events. She also designed impoundment relief channels. As Project Coordinator, she conducted FEMA-HUD Texas Disaster Recovery process documentation, publications, and comments; and, assisted in the development of permitting, NEPA, and ESA documents. Ms. Jones also led construction oversight.

Levee Toe Protection, Brazos River, Fort Bend County MUD 121 – As Project Coordinator, Ms. Jones led environmental and regulatory efforts (i.e. wetland delineation, federal and state regulations, etc.) to protect the riverbank and flood protection levee from further erosion. She assisted with feasibility study, conceptual and final design of shore-perpendicular gravity structures designed to withstand hydrodynamic forces as well as retained-earth pressures to reduce future bank erosion rates. Additional duties included project specifications, and construction plans review.

Post Harvey Bank Repair, Garwood River Plant, Lower Colorado River Authority – Ms. Jones assists with analysis and design of riverbank protection for the Garwood facility riverbank which suffered extreme damage due to flooding caused by Hurricane Harvey. Design includes bulkhead protection, upper bank protection, and increased protection from scour adjacent to Plant intake structures. Additional duties include project specifications, construction plans review, and regulatory support to LCRA staff.

Indianola/Magnolia Beach Shoreline Stabilization – Design consultant who conducted beach surveys, sediment analysis, and selection of nourishment material for shoreline stabilization including beach nourishment and groin installation. She also conducted analysis of wave climate for storm severity and frequency. Ms. Jones completed numerical modeling of project life study to determine monitoring and maintenance requirements.

RANDY TAILLON

SITE INVESTIGATION



PROFESSIONAL LICENSE

Active registrations/Certifications: FAA UAS 107 Pilot

SUMMARY OF QUALIFICATIONS

Randy has over five years of experience in the burgeoning UAS industry, 10 years in IT and 35 years in the automotive industry. He is a Co-founder of Precision Aerial Compliance Solutions, LLC, (PACS) an industry leader and innovator with multiple industry firsts and successful proof of concepts for municipal, city and state entities. PACS was one of the first four companies to be credentialed by the National UAS Credentialing Program, a rigorous and comprehensive vetting program developed by Texas A&M, TEEX, Lonestar Center For Excellence and the FAA. PACS is the most qualified and experienced service provider in the engineering and survey space in Texas with 1000's of hours of LiDAR and Photogrammetry contracts successfully completed.

Randy was previously employed by Rice University as their Data Center Operations Systems Support Specialist II and more specifically, wrote a database for them which would allow staff at any location on campus to locate any server, switch or other peripheral device down to it's building, rack, rack location, what network port it was connected to and on what switch. He also built, installed and configured the Linux server that houses this database. Randy's main responsibility was to support the research department's IT needs installing, configuring networking and maintaining all of it's research hardware.

Randy also performs at expert level or above on multiple software platforms. Randy maintains an Adobe Creative Cloud membership and is proficient in Photoshop, Lightroom, Illustrator, InDesign and Acrobat.

PROJECT EXPERIENCE

ExxonMobil Beaumont Heavy Lift– Project Manager. Captured video and still images that PACS used to produce high quality marketing products for the client.

ExxonMobil Beaumont Levee Survey – Project Manager. Lidar survey of all the levees at the plant.

Raito Inc. – Project Manager. Provided LiDAR data client used to model a section of river bank that was encroaching on a neighborhood levee.

WCRC White River Conservation Project – Project Manager. Provided LiDAR data to client so they could restore area to pre-flood conditions.

Sienna Plantation, Sugar Land, TX – Project Manager. Provided LiDAR surveying services for the 2,370-acre Development.

ALBERT E. FRANCO, JR, PE, RPLS

SURVEYING SUPPORT



EDUCATION

1978, BS, Civil Engineering, University of Texas at Austin

PROFESSIONAL LICENSE

1986, Registered Professional Land Surveyor, Texas #4471

1993, Registered Professional Engineer, Texas #77597

PROFESSIONAL MEMBERSHIP

American Society of Civil Engineers

Texas Society of Professional Surveyors

SUMMARY OF QUALIFICATIONS

Mr. Franco is a registered professional land surveyor and registered professional engineer in Texas. As an Engineer, Albert has over 40 years of experience and expertise performing bridge inspections across the nation. Albert has also performed bulkhead inspections in Texas. He has performed bridge inspections and evaluations on approximately 800 bridges in the Texas area. Mr. Franco has served as the project manager for the U.S. Navy-Southwest Division bridge inspection program through 3 five-year contracts that has taken him from coast to coast.

Albert has over 40 years of surveying experience in various boundary and topographic surveys. He has developed innovative methods for successful hydrographic surveying for cost effective depth of cover projects. He has performed surveys for municipalities, private land development clients, state, federal agencies and many oil and gas pipeline companies.

Albert has over 10 years of SUE experience in the location and routing of various utilities on along street right of ways and in the surrounding Bays. Albert coordinates the One Call for marking utilities, acquires the needed Street ROW permits for traffic control, location of utilities by probing or hydro excavation, and measures the size of the utilities including determining depths for utilities found.

PROJECT EXPERIENCE

SUBSURFACE UTILITY ENGINEERING (SUE)

Gollihar SUE (Kostoryz to Weber), City of Corpus Christi, Corpus Christi, TX – A working sketch was prepared from the collection of all existing utility record information and as-builts from the City of Corpus Christi and utility purveyors within the area the Gollihar right-of way from Kostoryz to Weber. All known utilities based on the working sketch were marked with green, yellow, blue and orange paint for clarity of each pipeline type. A pot hole or trench was made with hydro excavation equipment to a depth of 3' to 8' to expose the existing utilities. All the sizes of the exposed lines were measured and located with XY coordinates and elevations based on City monuments.

Williams Drive SUE, City of Corpus Christi, Corpus Christi, TX – A working sketch was prepared from the collection of all existing utility record information and as-builts from the City of Corpus Christi and utility purveyors within the area the Williams Drive right-of way from Airline to Rodd Field Road. All known utilities based on the working sketch were marked with green, yellow, blue and orange paint for clarity of each pipeline type. A pot hole or trench was made with hydro excavation equipment to a depth of 3' to 8' to expose the existing utilities. All the sizes of the exposed lines were measured and located with XY coordinates and elevations based on City monuments.



TOPOGRAPHIC SURVEYS

Kleberg County, Ricardo, TX – Topographic survey of the existing 2 boat ramps and the associated timber walk ways and docks. Included the assessment of the broken concrete boat ramp, sheet pile walls, timber piers and timber dock.

McArdle Road, City of Corpus Christi, Corpus Christi, TX – Performed topographic surveys along McArdle Road from Ennis Joslin to Whitaker Drive, including all utilities, stormwater, and wastewater locations. Offsite drainage topographic surveys were performed for the drainage study and analysis for McArdle Road. The ROW alignment was also surveyed to determine the design limits. Vertical and horizontal control was tied in to the City GPS monuments.

UTMSI Wetland Habitat Creation, Turner Collie and Braden, Corpus Christi, TX – Provide surveying services in support of creation of wetland habitat at UT Marine Science Institute. Services include: 1) Cross sections, according to plans, of target habitat area; 2) Spot vegetation survey; 3) Locate boring locations (X, Y, Z); 4) Confirmation/ location of utilities; 5) Cross-section of two culvert locations; one toward UT Marina; one through jetty toward ship channel; and 6) Cross-section of road at proposed bridge location.

Confirmation Survey, Champ-East Consulting Engineering, Inc., Corpus Christi, TX – Perform fill area confirmation survey of 3 dredge stock pile areas at the Jacinto Port Facility owned by Stolt Haven, Houston, Inc. Provide drawing of dredge material stock pile areas.

BATHYMETRIC SURVEYS

Cheniere Energy, Inc, Cheniere Energy, Inc., Corpus Christi, TX – Performed bathymetric surveys on the La Quinta Channel for dredging for construction of the Cheniere turning basin and berthing area for the barge and ship dock. The surveys were performed from shoreline to shoreline. Electronics with GPS capability was used.

DRAINAGE ANALYSIS

Cantwell Bridge and Drainage Study, Nueces County, Corpus Christi, TX, Project Engineer – Conduct a preliminary engineering study including surveying for an existing bridge and drainage problems on Cantwell Road.

PAVING AND SITEWORK

Coastal Meadows Mobil Home Park, Asphalt Concrete Paving, Corpus Christi, TX, – Project Survey Manager for construction staking and lot staking (27 lots) 1) water line, sanitary sewer, curb and gutter.

Golf Course Improvements, Finger Dye Spann, Inc., Corpus Christi, TX – Project Engineer for the design of golf course civil improvements to two municipal courses in Corpus Christi, Texas. Additional services to include Digital Base Mapping and presentation of recommendations to City Council.

CHARLES A. PATOUT, III, PLA

LANDSCAPE ARCHITECTURE & AMENITIES



EDUCATION

2004, BS, Landscape Architecture, Louisiana State University

PROFESSIONAL LICENSE

2010, Professional Landscape Architect, Texas #2684

PROFESSIONAL MEMBERSHIPS

The American Society of Landscape Architects (ASLA)

SUMMARY OF QUALIFICATIONS

As manager of Landscape Architecture Services, Charlie draws from over 15 years of professional experience specializing in urban and land planning, urban design, and landscape architecture. He leads his group on a wide range of project types through all stages of the design process. His extensive experience revolves around creating parks and trails, hardscapes, sustainable plantings, and irrigation design on master planned communities, town center developments, commercial, mixed-use, and residential developments, both stateside and abroad. Charlie is a Licensed Landscape Architect in the State of Texas and is an active member of the American Society of Landscape Architects.

PROJECT EXPERIENCE

Gloria Marshall Elementary (Leed) Spring ISD (Independent School District), TX – Landscape Architects responsible for the planning and site design for this Spring ISD facility that was designed to achieve LEED Gold certification. The facility recently earned three prestigious “Green Design” recognitions including the 2011 Caudill Award, the highest honor for the planning and design of public education facilities awarded by the Texas Association of School Administrators’. LJA teamed with SHW Group, and was responsible for landscape architecture and site civil. The team used Green Infrastructure techniques by applying LID (Low Impact Development) design principle’s to the landscape design, site drainage and tree preservation. Design solutions include the use of bio-swales and rainwater harvesting gardens and cistern. A geo-thermal well field located under the parking lot and playground removes and replaces hot and cold water from the building. The entry courtyard features a science sustainability outdoor classroom and eco-pond that includes a cistern and a water trough used to teach integrated concepts about math and science. Other features offering real world educational opportunities include a sensory garden and a wind turbine.

U.S. Customs and Border Protection Housing (LEED) Presidio, TX – Lead Landscape Architect for this project located in the Chihuahuan Desert in West Texas. To meet CBP’s goals, the neighborhood design maximized the number of high-performance modular housing units on the 27 Acre site while integrating a network of shared, landscaped common spaces with multi-use trails providing a sense of community and encouraging pedestrian activity. LJA developed a sustainable design approach with the goal of re-establishing native vegetation to the area while minimizing maintenance and eliminating the need of installing a permanent irrigation system. In addition to native grasses and wildflowers, accent plantings that included a mix of desert trees and plants were used throughout the common areas to provide visual interest and plant diversity. Innovative design solutions for this project included open swale green infrastructure, a windmill and cistern to provide irrigation during the plant establishment period and a grey water system, which was allowed to infiltrate the landscape areas providing supplemental irrigation. The project was mandated to achieve a LEED Silver certification or higher.



Kaust Research Park (LEED), Jeddah-Thuwal, Saudi Arabia – Lead Landscape Architect responsible for the site design including hardscape and softscape for the new business research park adjacent to King Abdullah University of Science and Technology (KAUST). This LEED project featured two entries, an arrival court, large and small pedestrian plazas, two fountains, drought tolerant native landscaping, and living green walls. The Landscape Architectural design was inspired by the curved facade of the research parks administrative building. The concept emphasized the geometry of the architectural features and included concentric curved alternating bands of hardscape and softscape that framed the buildings and pedestrian plazas within the site and drew focus to the buildings and site entries.

U.S. Department Of State, U.S. Embassy Compound, Kabul, Afghanistan – Landscape Architecture team-member responsible for arrivals courts, multiple courtyards and other site improvements related to the expansion of office facilities and staff living quarters. Responsibilities included involvement in construction documentation. Design solutions met LEED® certification criteria.

City of Katy Downtown Revitalization, Katy, TX – In conjunction with the construction of a new City Hall LJA was selected to provide engineering, planning, and landscape architectural design services for rehabilitation of Downtown streets, sidewalks and a new public plaza on the site of the old City Hall. LJA lead citizen participation discussions and presentations to aid in facilitating Goals of the project. In addition to a need to replace fifty+ year old infrastructure including inadequate drainage and non-accessible sidewalks other goals included increasing parking within the Downtown District and limiting disturbance of local business during streetscape reconstruction. A comprehensive approach of analysis and planning ensured proposed improvements enhanced current land uses while understanding future redevelopment opportunities and needs. The design provided a significant increase to available on-street parking by programming two of the streets into one-way traffic patterns. A construction phasing plan was developed to insure business interruptions were kept to a minimum during street re-construction. In addition to the streetscape reconstruction LJA designed a highly programmed, pedestrian friendly public plaza encompassing an entire city block on the old City Hall site. This plaza now becomes the center of the new Downtown District, adjacent to new City Hall. Significant pedestrian enhancements reinforce that the new Downtown District is destined to become a shopping and leisure destination. Private re-investment has already begun.

In addition to infrastructure and street reconstruction other improvements included lighting standards, street furnishings, signage, wayfinding, landscape and irrigation. Plaza components include a Civic Hall, a Visitor's Center, a community amphitheater, and an outdoor historical tour room. LJA was responsible for creating full design, construction documents, cost estimates and specifications. LJA has also been involved with visually enhancing "Gateways" into the Downtown District from the U.S. 90 corridor.

VICTOR M. GUTIERREZ, JR., PE

UTILITIES & INFRASTRUCTURE

EDUCATION

1987, BS, Civil Engineering, Texas A&I University

1981, BA, University of Texas at Austin

PROFESSIONAL LICENSE

1993, Professional Engineer, Texas #77761

PROFESSIONAL MEMBERSHIP

American Society of Civil Engineers (ASCE)

Environmental and Water Resources Institute (EWRI)

American Association of Airport Executives (AAAE) Certified Member



SUMMARY OF QUALIFICATIONS

Mr. Gutierrez has over 34 years of experience in civil engineering and construction. Victor has designed and managed complex municipal public works infrastructure projects from the preliminary planning phase to the final design, bidding, construction and warranty phases. He shares the responsibility of managing the day-to-day operations of the Corpus Christi office and will lead a design team to undertake assigned projects. Victor has provided full infrastructure design services on street rehabilitation projects, water distribution, storage and treatment projects and wastewater collection, pumping and treatment system projects. As Project Manager, he is responsible for liaison with clients, site assessments, project scoping, design team management, and full life cycle project management.

PROJECT EXPERIENCE

City of Corpus Christi Citywide Street Preventative Maintenance Program (SPMP) Year 2 (Project No. E14021), Corpus Christi, TX – Principal-In-Charge and design engineer for a \$13.3 million citywide street rehabilitation project consisting of a review of the City's street database and GIS records, sorting and prioritizing candidate streets for seal coats and overlays, reviewing and validating street pavement condition indexes (PCI's), conducting onsite street condition assessments of individual streets, preparing a ten-delivery order work plan, and managing the production and issuance of pavement rehabilitation delivery orders to general contractors. The completed work plan included 300,164 SY of seal coats for City force account crews, 503,144 SY of seal coats for general contractors, and 232,700 SY of overlays for general contractors. This project involved selecting and balancing seal coat and overlay candidate arterial, collector and residential streets across five City districts. This project included rehabilitating damaged curb and gutter, sidewalk trip hazard defects and non-compliant ADA improvements along selected ADA route where overlay improvements were proposed. Full depth repairs (FDR's) were recommended for identified damaged pavement areas within the selected overlay and seal coat streets.

City of San Benito Wastewater Treatment Plant Improvements, San Benito, TX –

- **Project A: Rehabilitation of Two Clarifiers** – This 2013 project consisted of a condition assessment, preliminary and final engineering and construction administration for the rehabilitation of two existing 80-foot diameter clarifiers at the City's 6 MGD wastewater treatment plant. The work consisted of sand blasting, painting and repairs of all clarifier interior structural steel and perimeter weirs. The results of



the condition assessment yielded favorable results in allowing a rehabilitation at a cost \$155,000 instead of replacing budgeted clarifier components at a cost of \$450,000.

- **Project B: Effluent Lift Station, Force Main and 4-Acre Wetlands Project** – This project consisted of installing a duplex submersible pump effluent lift station, force main to route treated effluent from the wastewater treatment plant cascading effluent structure to a 4-acre wetlands site. This project was created to prolong the contact times between effluent and the surfaces within the newly created wetlands. Construction Cost: \$646,000.

Farmers Row Commercial Development (La Encantada Village) – This project, located at the corner of Staples Street and Yorktown Boulevard in Corpus Christi, Texas, consisted of providing professional services for paving, grading, drainage, water, wastewater, hardscaping and landscaping improvements for a 13.7-acre commercial development project. The improvements included two commercial retail buildings totaling 44,281 SF, and pad sites for seven additional future retail and office buildings totaling 65,791 SF. The development of this project included onsite subsurface drainage improvements and offsite open channel improvements.

Additional Representative Land Development Projects include the following:

- River Court Retail Center on Padre Island
- Northridge Units 1 and 2
- Stony Brook Unit 3
- Maple Hills
- Nueces Town Estates

University of Texas Marine Science Institute (UTMSI), Research Pier Rebuild, Port Aransas, TX – Served as Project Manager and Design Engineer for the replacement research pier proposed in Port Aransas along the Aransas Pass/Corpus Christi Ship Channel serving UTMSI. The project consisted of preparing a demolition plan for the former pier that sustained severe impact damage from an unmoored ship during Hurricane Harvey, and a design for the new research pier with a revised configuration. After completing a site assessment and preliminary engineering report, managed the team design of the new research pier and the preparation of construction contract documents. The proposed pier consists of precast concrete piles, a double tee walkway and an octagon shaped pier head supported by concrete piles and a concrete cap. Additional proposed features include an instrument building, a lower deck and pump platform, seawater pumps and related piping, a tide trap and pier lighting. Construction Cost: \$2,438,113.

The James Cook TX Hangar/Heliport – Facility located approximately 25 miles north of Van Horn, Culberson County, Texas that includes 3 helicopter landing operation areas, hangar, office and sleeping quarters. The facility will support Blue Origin's space flight program. As Project Manager on this aviation project, designed site heliport and access road paving, grading, drainage, lighting and NAVAID facilities. The project included a drainage analysis for a 3,357-acre watershed to address flooding potential of the heliport site.

Additional Representative Drainage-Related Projects Include the Following:

- City of San Benito - Disaster Recovery, Round 1 Drainage Improvements (Robertson Street Area)
- City of Falfurrias - Disaster Recovery, Round 2 Drainage Improvements
- City of Eagle Pass - Westlake Area Drainage Study for 20-Arce Detention Pond and Open Channel

FRANK DILLARD, PE

ELECTRICAL ENGINEER



EDUCATION

1971, MS, Environmental Health Engineering,
University of Texas
1969, BS, Chemistry, University of Texas

PROFESSIONAL LICENSE

1976, Professional Engineer, Texas #68799; 1979, Arkansas #4620;
1985, Ohio #58060; 2008, California #18893

SUMMARY OF QUALIFICATIONS

Frank has over 40 years of experience in the planning, design, and construction phase supervision of electrical/instrumentation/control (EIC) related aspects of projects. He has provided EIC-related engineering support to various cities, counties, industries, utility districts, and private clients all across the nation. His broad technical educational base, combined with his experience in the field of consulting engineering, provides a full dimensional basis of project support from multiple technical and process related perspectives. A unique combination of science and engineering education, along with his years of consulting engineering experience, provides clients with a broad-based scientific and engineering perspective that facilitates the development of well-coordinated designs.

PROJECT EXPERIENCE

Galveston County, Highway 3 Boat Ramp Facilities Upgrade – Providing electrical engineering support for facilities upgrades to a community boat ramp park including lighting and electrical for parking, picnic pavilion, and information kiosks.

Galveston County Navigation District No. 1 – This Project was for the rehabilitation of the electrical/instrumentation/control (EIC) system for the District's Bascule Bridge that connects Galveston and Pelican Islands. A complete electrical analysis was completed initially to establish the operational status and reliability of the EIC operation that had been in service for over 60 years. A significant EIC rehabilitation was completed at a cost of \$500,000.

Galveston 59th Street Potable Water Booster Pump Station – A new potable water pumping station was designed and the construction is nearly complete for a 20,000 gpm pump station that has been designed in from the perspective of all engineering disciplines to be able to withstand and operate through a 500-year recurrence interval storm event. The station includes medium and low voltage switchgear / motor control centers, medium voltage powered booster pumps, chemical storage and feed systems a roof mounted 1.5 MW diesel engine powered generator with a 6,000 fuel storage system.

Galveston 30th Street Potable Water Booster Pump Station – A new potable water pumping station was designed and the construction is nearly complete for a 20,000 gpm pump station that has been designed in from the perspective of all engineering disciplines to be able to withstand and operate through a 100-year recurrence interval storm event. The station includes medium and low voltage switchgear / motor control centers, medium voltage powered booster pumps, chemical storage and feed systems a dual 2.0 MW diesel engine powered generators.



JAIME M. CANTU, PE

GEOTECHNICAL ENGINEER



EDUCATION

1992, BS, Civil Engineering, University of Texas at San Antonio

PROFESSIONAL LICENSE

Professional Engineer, Texas #93689

PROFESSIONAL AFFILIATIONS

National Society of Professional Engineers
American Society of Civil Engineers

SUMMARY OF QUALIFICATIONS

Mr. Cantu has over 15 years of combined experienced in geotechnical and civil engineering. He is the current president/owner of EarthCo, LLC. He is familiar with civil engineering projects such as site grading plans, drainage plans, hydrology studies, utility line extensions, residential and commercial subdivision development and design, liftstation design. His responsibilities include providing geotechnical engineering recommendations for foundation and pavement design, lift station and utility line construction, reservoir construction, electrical substations, bulkhead design parameters, etc.

PROJECT EXPERIENCE

- New Donna High School – Donna, TX
- Bass ProShop Infrastructure and Site Development – Harlingen, TX
- Rio Grande Valley Outlet Mall – Mercedes, TX
- City of Donna Western Colonias – City of Donna, TX
- Wastewater Collection System for City of Pharr – City of Pharr, TX
- North Brownsville Industrial Park Subdivision – Brownsville, TX
- Sharyland Plantation – Mission, TX
- South Texas Community College Campus (STCC) Improvements – Weslaco, TX
- Hudson Farms Development – Brownsville, TX

SH 87 ROADWAY GRADE RAISING, SHORELINE PROTECTION AND BEACH ACCESS

Bolivar Peninsula, Texas

CLIENT NAME

Texas Dept. of Transportation

CLIENT CONTACT

Elie Alkhoury
Houston District, TxDOT
713.802.5508
elie.alkhoury@txdot.gov

TEAM LEADER NAME

Doug Dusini, PE

FIRM'S ROLE

Site assessments and surveys;
Numerical analysis of storm surge;
Regulatory support;
Coastal Engineering design;
Construction oversight

PROJECT DATE

2017 - Present

PROJECT VALUE

\$21 Million

NUMBER OF CHANGE ORDERS

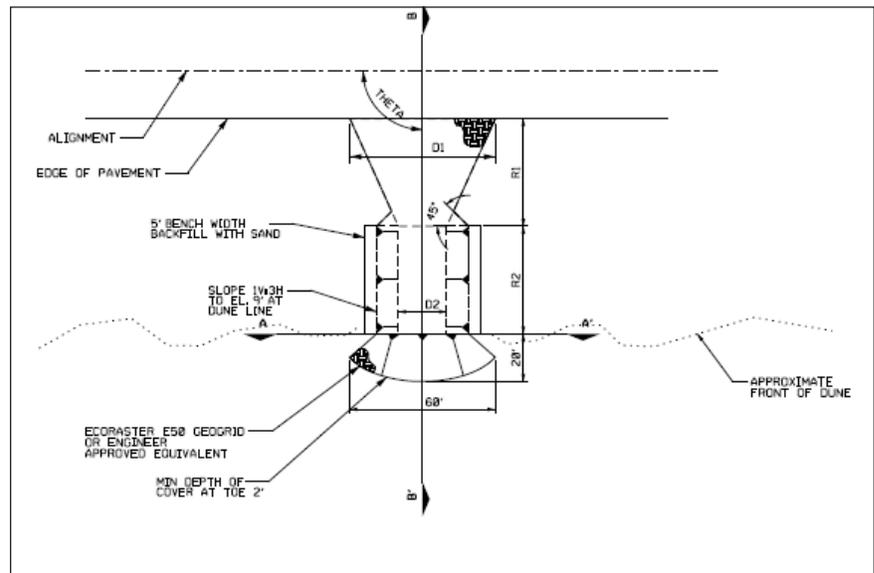
One (no delays)

COST SAVING SOLUTIONS

Process streamlined based on previous experience and cost/benefit analysis of materials

CONTINUED INVOLVEMENT

Currently working with client and County to ensure long-term measures for shoreline protection and beach access are met.



LJA's Coastal Division works with our Water Resources division and TxDOT to analyze storm surge characteristics and determine appropriate elevations for State Highway (SH) 87 between Rollover Pass and SH 124 for use as a hurricane evacuation route 36 to 48 hours prior to landfall. LJA evaluates relevant existing data and analysis leading to a reasoned justification for specific grade raising recommendations.

In addition, shore side roadway protection design is included along with future revised beach access design to ensure public ROW and protect the surrounding environment (some of which lies within Anahuac National Wildlife Refuge).

Services include:

- Beach and wading cross-shore surveys
- Numerical analysis of storm surge to ascertain appropriate grade raising elevation(s)
- Develop and design road side protection from wave attack
- Develop and design dune heights for roadway protection
- Design revised vehicular beach access to maintain public ROW and protect local environment
- Generate bid/construction drawings
- Construction Oversight
- Stakeholder Coordination

E.K. ATWOOD PARK PAVILION IMPROVEMENTS

South Padre island, Texas

CLIENT NAME

Cameron County

CLIENT/AGENCY CONTACT

Joe Vega
County Parks Director
956.761.3700
JEVega@co.cameron.tx.us

Natalie Bell, TGLO
512.463.0413

TEAM LEADER NAME

Peter Ravella

FIRM'S ROLE

Beach Access and Dune
Protection Permitting

PROJECT DATE

2018

PROJECT VALUE

\$3.8 Million

NUMBER OF CHANGE ORDERS

None

COST SAVING SOLUTIONS

Extensive pre-application
consultation with GLO

Integration of regulatory
concerns into initial site
planning

CONTINUED INVOLVEMENT



LJA member Peter Ravella was part of the team of architects, engineers, and technicians commissioned by Cameron County to revitalize the existing E.K. Atwood Park facilities on South Padre Island. These facilities had been previously closed to the public for several years due to safety concerns with deterioration of the park's pavilion structure.

Demolition of the existing pavilion was completed to allow construction of a new elevated boardwalk plaza with five covered pavilions, two open-air restroom facilities and a large rinse station water feature. The improvements also include two walkover structures that allow access from the plaza to the pedestrian beach, as well as stairs and ramps to the new parking lot constructed from an environmentally-conscious permeable paving system.

Services include:

- Site Planning
- Parking and Beach Access Plan
- Dune Survey
- Dune Impact Assessment
- Dune Mitigation Plan
- GLO Coordination

JIM WILLIAMS BEACH ACCESS

Port Aransas, Texas

CLIENT NAME

Jim Williams
Bill and Renault Judson

CLIENT/AGENCY CONTACT

Bill Judson
11414 Wickwilde
Helotes, TX 78023

Natalie Bell, TGLO
512.463.0413

TEAM LEADER NAME

Jay Gardner

FIRM'S ROLE

Environmental Services

PROJECT DATE

2018

PROJECT VALUE

\$18,000

NUMBER OF CHANGE ORDERS

None

COST SAVING SOLUTIONS

Regulatory/Permitting costs were reduced by combining mitigation areas

CONTINUED INVOLVEMENT



This project included survey, design, and permitting for a residential development in Port Aransas. The project included a beach access road, with a "drive-over", as there were/are no other access point.

Dune Permitting included mitigation for impacts for the development and the beach access road. Coordination with the TGLO and the City of Port Aransas was also necessary for a newly platted beach access point. Completing the various components at the same time allowed for some cost savings.

Services include:

- Wetland Delineation
- Coordination with USACE
- Coordination with TGLO
- Dune Permitting
- Environmental Management
- Mitigation Plan
- Mitigation Monitoring
- Agency Representation and Coordination

CABELA'S SEAHAWK SUBDIVISION

Port Aransas, Texas

CLIENT NAME

Joseph Cabela

CLIENT/AGENCY CONTACT

Joseph Cabela
220 Roy Creek Trail
Dripping Springs, TX
512.694.7401

Natalie Bell, TGLO
512.463.0413

TEAM LEADER NAME

Jay Gardner

FIRM'S ROLE

Environmental and Regulatory Services

PROJECT DATE

2016

PROJECT VALUE

\$82,000

NUMBER OF CHANGE ORDERS

None

COST SAVINGS SOLUTIONS

Multiple, simultaneous dune permits led to significant project cost savings

CONTINUED INVOLVEMENT



LJA worked with a private client to provide a new private beach access road and dune drive-over. Project included surveying, engineering, permitting, and mitigation plans.

Coordination with the City of Port Aransas Planning and Zoning, as well as the FEMA Floodplain Coordinator, adjacent landowners (including a public meeting) and the TGLO was necessary to complete the project(s).

Overall, completing multiple dune permits at the same time allowed for considerable cost savings. The buildings that were constructed as a result of this project were some of the few buildings that survived Hurricane Harvey with no damage.

Services Include:

- Wetland Delineation
- Coordination with USACE
- Coordination with TGLO
- Dune Permitting
- Environmental Management
- Mitigation Plan
- Mitigation Monitoring
- Agency Representation and Coordination

RECORD OF PERFORMANCE ON OTHER PROJECTS

EROSION RESPONSE PLAN

South Padre Island, Texas

CLIENT NAME

City of South Padre Island

TEAM LEADER NAME

Peter Ravella

FIRM'S ROLE

Site assessments and surveys;
analysis of future conditions

NUMBER OF CHANGE ORDERS

None

COST SAVING SOLUTIONS

Planning level cost savings
estimates included

CONTINUED INVOLVEMENT

LJA team members continue to assist the City of South Padre Island and Cameron County, upon request, with various maintenance, monitoring, environmental, and regulatory projects.



In accordance with state law, the City of South Padre Island elected to prepare an Erosion Response Plan. In general, the purpose of this plan was to explore means and methods to reduce the public expenditures due to damage to property and infrastructure that can result from shoreline change, erosion, and storm conditions.

LJA (as LEAP Engineering) evaluated shoreline change rates, beach profiles, and projected shoreline positions obtained from the UT-BEG. From the GLO, the City obtained the 2009 Texas Coastwide Erosion Response Plan, which includes substantial data and information necessary for the local plan, LIDAR elevation data, and updated aerial photography of the City's shoreline. Finally, the City compiled data on previous beneficial use projects, updated shoreline profiles, dune enhancement projects, and cost estimates for various shoreline management activities.

Services include:

- Perform initial site assessment
- Compilation of practices for:
 - Beneficial use
 - Updated shoreline profiles & shoreline rates of change
 - Dune enhancement/planting
 - Shoreline management/desired conditions
 - Construction setbacks
 - Cost estimates for shoreline management

ARANSAS PATHWAYS PARK PROJECTS

Aransas County, Texas

CLIENT NAME

Aransas County

TEAM LEADER NAME

David Sherrill

FIRM'S ROLE

Environmental Services

NUMBER OF CHANGE ORDERS

None

COST SAVINGS SOLUTIONS

Development of an innovative water circulation system within the design that created high water quality levels.

CONTINUED INVOLVEMENT

During construction, and for five years after, we worked with the client to ensure project goals were met. We continue to maintain and monitor the mitigation areas.



In 2014, the Aransas Pathways Project (APP) contracted us to conduct ecological assessments of five tracts (Linda Castro Birding Center, Holiday Beach Park, Tule Creek Park, Connie Hagggar Park, and Henderson Park) owned by Aransas County or the City of Rockport. The purpose of the study was to develop a comprehensive plan for properties owned by the APP to restore wetlands, improve habitat conditions for birding and waterfowl, identify noxious invasive species, develop a plan to eradicate and control noxious species, and make recommendations regarding the long-term maintenance of the tracts. The APP purpose is to promote eco-tourism by preserving and enhancing existing County and City owned tracts in the Rockport and Fulton areas, which includes: birding opportunities with observation towers and boardwalks, historic site seeing, water-based recreational activities, hike and bike trails, and public education centers which promote wildlife conservation. We are actively assisting the County in managing and improving the wildlife and ecological diversity of these tracts and assessing new tracts that the County acquires while expanding their park ecotourism sites.

Services include:

- Perform initial site assessment
- Environmental Management
- Planting Plans
- Park Restoration
- Noxious Species control
- Habitat Restoration
- Continued management and improvement of existing, and newly acquired, sites for wildlife and ecological diversity

EROSION RESPONSE PLAN

Cameron County, Texas

CLIENT NAME

Cameron County, TX

CLIENT CONTACT

Joe Vega

Cameron County Parks Director

956.761.3700

JEVega@co.cameron.tx.us

TEAM LEADER NAME

Peter Ravella

FIRM'S ROLE

Comprehensive shoreline risk assessment; Update current conditions; Identify & quantify weaknesses; Develop response strategies

PROJECT DATE

2017-2018

PROJECT VALUE

\$160,000

NUMBER OF CHANGE ORDERS

None

COST SAVING SOLUTIONS

Aggressive & ongoing public engagement to identify and resolve local issues; Early & ongoing Agency coordination; Developed dedicated ERP website for communication & plan sharing; Close coordination w/ client and stakeholders

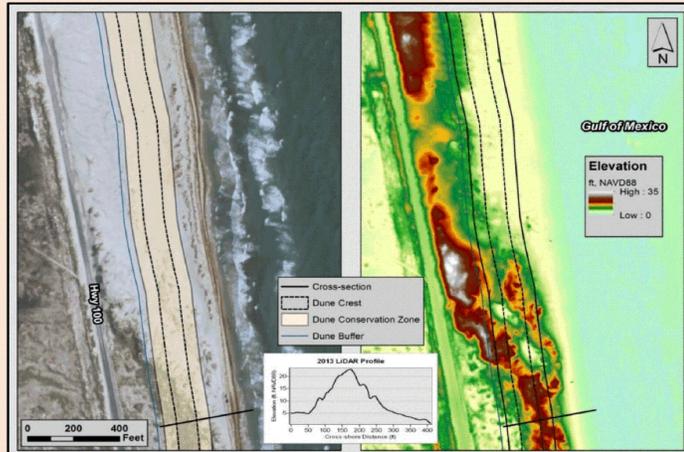
CONTINUED INVOLVEMENT

Provide on-going consultation services throughout GLO review and certification process

Dune Conservation Zone--Designing with Nature

Protecting Habitat and Infrastructure

- ✓ Provide 100-year storm protection
- ✓ Slow down inland transport of windblown sand
- ✓ Reduce long-term shoreline recession



In compliance with GLO rules and procedures, the project team prepared an Erosion Response Plan for Cameron County Texas for formal review and certification by the GLO. Team members conducted comprehensive shoreline risk assessment; documented shoreline conditions; updated shoreline change rates and dune conditions; identified and quantified dune weaknesses, dune gaps, and blowouts; developed dune enhancement and improvement strategy and dune design for 100-year storm level protection; engaged community leaders and stakeholders; developed erosion response strategies; drafted Beach Access & Dune Protection Plan Amendments; developed and draft nearshore construction and permitting standards; coordinated with General Land Office; and supported County ERP adoption and certification of the plan by GLO.

Services include:

- Extensive analysis of shoreline and dune conditions, nearshore transport & erosion rates
- Dune gap analysis & strategy for future enhancement (100-yr storm level protection)
- Assess & inventory all beach access and facilities
- Develop post-storm monitoring protocols
- Develop construction/shoreline management priorities:
 - Establish building setback line
 - Preserve, expand, & enhance dune system
 - Facilitate more appropriate development via beach-dune permitting standards
 - Assess/evaluate possible relocation of Park Rd 100
 - Address/improve public beach use (vehicular impacts reduction)

ABILITY TO PERFORM WITHIN BUDGET CONSTRAINTS

ABILITY TO ADMINISTER PLAN TASKS ON TIME, ON SCHEDULE, AND WITHIN BUDGET

The LJA Team is well versed in working within set budget constraints for planning, design, and implementation of projects. Project Manager, Doug Dusini, spends a significant amount of time at the beginning of a project investigating known potential issues that could affect progress. This will include analysis of the City's stated schedule, scope and budget. Doug evaluates the stated parameters against existing conditions and identifies possible issues. He performs an evaluation of the anticipated project phasing and costs to see if the budgets are accurate. Finally, Doug presents the City with an assessment of the project schedule, scope and budget and suggested revisions based upon the findings. He performs all of this work prior to contract negotiations on the AE Agreement with the City. By doing so, LJA and the City have a good understanding of the project requirements at the time that the AE Agreement is executed and each party is in agreement on schedule, scope and budget.

ABILITY TO MAINTAIN COST CONTROLS TO ACHIEVE THE MOST COST EFFECTIVE SOLUTIONS WITHIN ORIGINAL BUDGETS

During the Preliminary Phase, LJA works closely with City staff to define a detailed project scope and estimate of probable costs to accomplish the project scope. Probable costs are identified in a Technical Planning Memorandum. If probable costs per this Report exceeds original budgets, LJA suggests reductions in scope and/or cost saving measures to reduce costs. At that time, staff makes a final decision on scope and cost; either to reduce scope and cost or increase the budget per the probable cost estimate. Staff then authorizes LJA to proceed with preparation of design documents per the final scope and budget. By approaching each Project in this manner, the LJA team ensures the City is fully aware of the probable costs of the requested Project at each step of the design submittal process before proceeding to final design and bidding.

EXAMPLES OF SUCCESSFUL PAST PROJECT DELIVERY

Project Name: SH 87 Highway Grade Raising,, Shoreline Protection and Beach Access
Estimated Cost: \$19 Million (Client estimate)
Bid Range: \$21-29 Million
Actual Cost: \$21 Million;
Summary: Cost savings based on refined engineering templates for maximum benefit and cost/benefit analysis of materials and sources.

Project Name: Cabela's Seahawk Subdivision
Estimated Cost: \$60,000
Bid Range: \$60, 000-80,000
Actual Cost: \$45,000
Summary: Multiple, simultaneous dune permits led to significant project cost savings. Early coordination with the TGLO also led to cost savings.

Project Name: E.K. Atwood Pavilion Improvements
Estimated Cost: \$2.65 Million
Bid Range: Unknown
Actual Cost: \$2.7 Million
Summary: Extensive pre-application consultation with GLO; Integration of regulatory concerns into initial site planning

WORKLOAD CAPACITY AND WORK WITHIN SCHEDULE

A. CAPABILITY TO HANDLE MULTIPLE PROJECTS

Tasks are distributed and progress tracked across all members of the project team to ensure successful completion. The flexibility and internal capacity of the project team allows additional resources to be allocated as necessary should project needs and critical tasks shift during the project. The project manager tracks the usage of budget dollars and resource hours to ensure the significant resources of the project delivery team are being directed in the most productive manner. Owner consultations at multiple stages of the process as well as a rigorous QA/QC process ensure the end result will exceed client quality standards.

LJA team members are accustomed to working on multiple projects at varying stages of planning, design, permitting, and construction. Team leaders may move members between projects, or assign new team members, to ensure effective communication and understanding of all aspects of each project and to maintain project schedules and budgets.

B. ABILITY TO DELIVER PROJECTS WITHIN A SPECIFIED SCHEDULE

LJA places great importance on the quality, accuracy and value of its work product to ensure the delivery of a timely, cost-effective project. LJA's in-house procedures provide for project kickoff meetings, which include both office and field staff, to effectively communicate project goals, schedules and assignments. The kickoff meetings will ensure specific work tasks are processed as quickly as possible while facilitating their completeness and quality. Regular team meetings are held on a weekly basis to track and schedule ongoing work assignments, as well as to discuss any opportunities/challenges relating to the work. Progress meetings on an agreed-upon schedule would be held with City staff to provide updates on the status of the project. Upon completion and before delivery, all deliverables will be checked for technical accuracy and content.

The LJA team takes great pride in completing projects on time and within budget. Each of the projects/tasks listed in Tab D (i.e. SH 87 Grade Raising, Shoreline Protection and Beach Access, E. K. Atwood Park Pavilion Improvements, Jim Williams Beach Access, and Seahawk Subdivision) has been completed within budget and within the time frame specified, save any change orders requested by the client.

C. ABILITY TO SUSTAIN A LOSS OF A KEY TEAM MEMBER

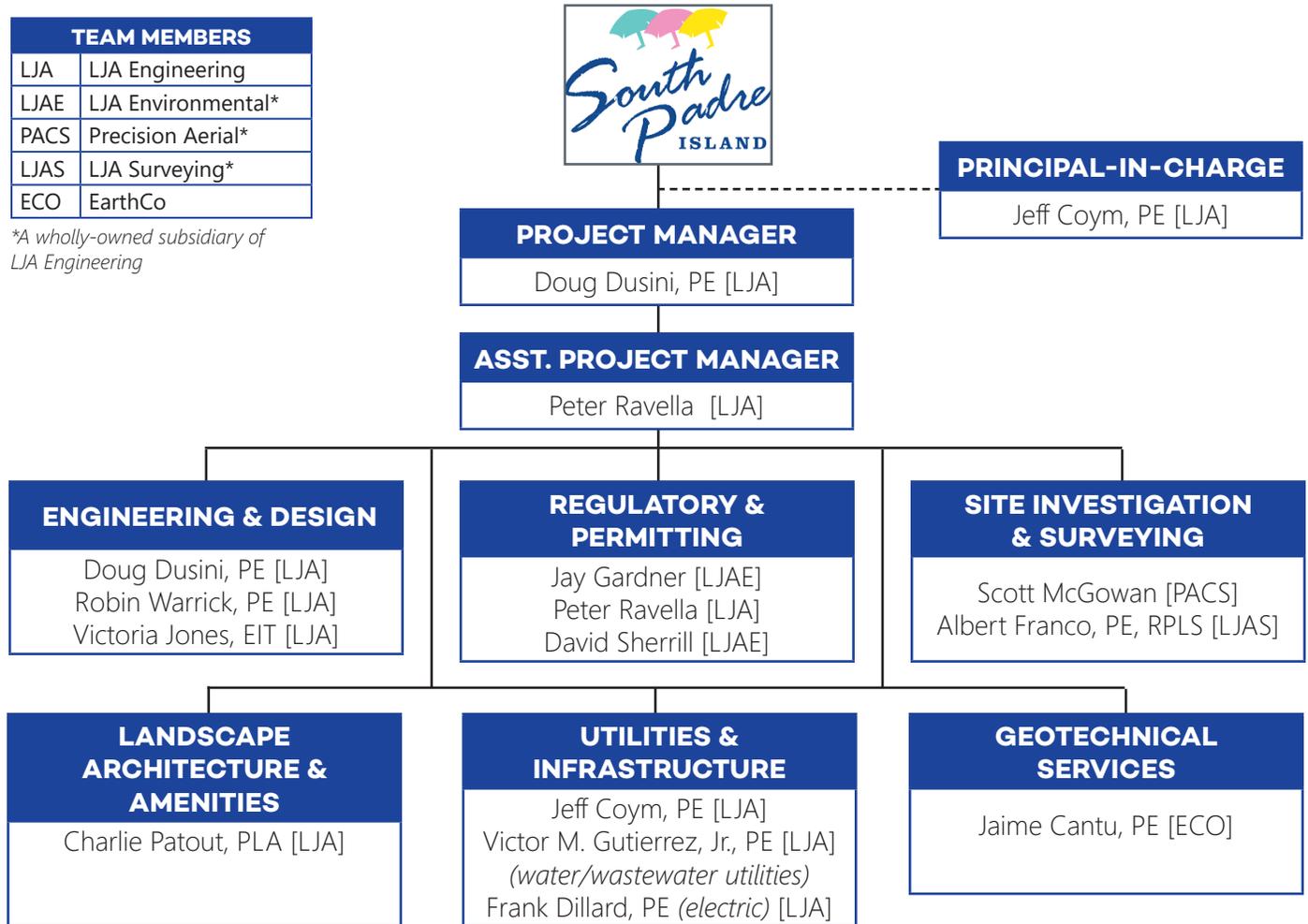
Key project staff noted in the organization chart are supported by hundreds of engineers, scientists, technicians, and other professionals. Key team members regularly specify one or more assistant task managers with the understanding "change is inevitable" and redundancy may be necessary to ensure project completion. Team leaders may move members between tasks, or assign new team members, to ensure effective communication and understanding of all aspects of each task and to maintain project schedules and budgets. This ensures no stoppages of task work in the event a key team member is reassigned.

PROPOSED APPROACH FOR THE DESIGN PROJECT

A. ORGANIZATION AND STRUCTURE OF THE PROJECT TEAM

TEAM MEMBERS	
LJA	LJA Engineering
LJAE	LJA Environmental*
PACS	Precision Aerial*
LJAS	LJA Surveying*
ECO	EarthCo

*A wholly-owned subsidiary of LJA Engineering



We anticipate less than 10% of work proposed will be performed by sub-consultants.

B. DETAILED APPROACH FOR ACCOMPLISHMENT OF PROJECT

PROJECT PLANNING AND MANAGEMENT

LJA project management standards ensure that by working closely with clients and approaching the project in an all-inclusive manner, accurate timelines and budgets are generated to guide the project through the conception-permitting-design-bid-construction process. The LJA team will work closely with City staff at the start of the project to develop a comprehensive scope and list of deliverables while identifying specific tasks and resource usage for timeline development and project budget estimation. Schedulers, in consultation with the Project Manager, identify critical-path elements to anticipate and avoid potential bottlenecks and externalities that may influence timely project execution, and work proactively to minimize any effect.

Our proven project management plan has consistently delivered solid performances as a result of the following key elements:

- Streamlined, centralized, efficient program management functions
- Local/regional project management and execution with experienced personnel from local offices
- Deep bench of technical specialists armed with the most current experience on key technical and regulatory challenges
- Program management infrastructure for efficient schedule/cost management, cost reporting, QA/QC, health and safety contracts/procurement, and regulatory support
- Consistent project execution, reporting, and deliverable preparation
- Established project planning/execution process

Tasks are distributed and progress tracked across all members of the project team to ensure successful completion. The project manager tracks the usage of budget dollars and resource hours to ensure the significant resources of the project delivery team are being directed in the most productive manner. Owner consultations at multiple stages of the process as well as a rigorous QA/QC process ensure the end result will exceed client quality standards.

C. APPROACH TO PROJECT MANAGEMENT / OVERVIEW OF PROJECT APPROACH

PROJECT MANAGEMENT

- » Confirm project objectives as identified by the City (Owner)
- » Coordinate with State and Local jurisdictions/agencies

Typical milestone activities/work products:

- Kickoff meeting/notes and site visit
- Develop project goals and performance criteria/Memo of Project Understanding
- Project management/monthly activity summary/schedule updates
- Conference call participation/notes

SURVEY AND DATA COLLECTION

- » Confirm project objectives as identified by the Owner
- » Perform historical review and initial constructability/value engineering analysis and design
- » Complete assessments and surveys, as required. These may include:

- Topographic surveys
- Geotechnical surveys
- Boundary survey (LSLS)/ jurisdictional surveys/mapping
- Threatened and Endangered species surveys (if required)
- Cultural Resources reviews/surveys (if required)

Typical milestone activities/work products:

- Planning/reconnaissance survey plan
- Geophysical survey/data analysis/summary memo
- Geotechnical survey (vibracoring)/cores and logs/data analysis/summary memo
- Cultural resource survey summary memo
- Closeout/report
- Client meeting to present results

CRITERIA AND DESIGN DEVELOPMENT

- » Confirm project objectives as identified by the Owner
- » Select Criteria for Evaluation Matrix

- » Conduct metocean/shoreline analyses
- » Preliminary (30%) design for review/approval
- » Identify construction alternatives that fulfill project objectives
- » Evaluate alternatives based on Design Criteria
- » Select/optimize preferred alternative with Owner/stakeholder input

Typical milestone activities/work products:

- Historical data-reference synthesis/summary memo
- Alternatives identification/descriptions
- Alternatives analysis-comparison/AA summary memo
- Stakeholder input/meeting notes
- Selection/summary memo
- Preliminary design/30% drawings-specs-estimate
- Client meeting to present results

REGULATORY SUPPORT

- » Confirm project objectives as identified by the Owner
- » Perform field visit for site assessment and data collection as needed (e.g. MHW/OHWM, wetland delineation, T&E species, etc.)
- » Engage USACE, GLO, TCEQ, THC, and stakeholders in identified project, as required
- » Prepare supplementary materials for permit applications
- » Assist Owner with determining appropriate permit strategy
- » Submit State required permit packages, if desired
- » Perform necessary requirements for local infrastructure permitting

A sufficient level of engineering and permitting design needs to be completed in order to generate drawings and quantities that must be submitted for USACE/GLO permit application(s). This would also include a plan and location for any conservation/mitigation measures.

Typical milestone activities/work products:

- Field work (e.g. MHW/OHWM delineation, wetland delineation, etc.)
- Exhibits (e.g. drawings, maps, figures, etc. for permit applications)
- Submittals as Client Agent, if desired
- Response to Agencies/revisions
- Public Process/Response to comments, if needed
- Revision assistance based on reviews
- Receipt of all state, and local permits, if desired

FINAL ENGINEERING AND PREPARATION OF CONSTRUCTION DOCUMENTS

- » Confirm project objectives as identified by the Owner
- » Perform final design analysis with user integration in mind
- » Perform final constructability and value engineering analysis
- » Prepare construction plans and specifications
- » Obtain Owner/stakeholder approval of plans

Typical milestone activities/work products:

- Final design/70% drawings-specs-estimate
- Client meeting to present results
- Stakeholder input/meeting notes
- 100% Construction Documents for competitive procurement of construction contractor

BID AND CONSTRUCTION PHASE SERVICES

- » Assist the Owner to procure a qualified contractor
- » Perform construction oversight (e.g. drawing and technical specification interpretation, site visits)
- » Substantial completion tasks (e.g. inspection, punch list, etc.)

Typical milestone activities/work products:

- Bid phase calendar and Bid announcement
- Pre-bid conference participation and documentation
- Addenda and responses to Requests for Information
- Participation in bid evaluation and selection process as directed by Owner
- Coordination/correspondence with Owner and prospective Contractor leading to contract execution
- Construction Kick-off Meeting and documentation
- Field notes taken from project oversight activities/construction progress reports
- Disposition of Contractor Submittals, Change Order Requests, and Pay Apps

PROJECT CLOSEOUT SERVICES

- » Assist the Owner to ensure contractor completes all specified work
- » Close out tasks (e.g. as-built drawings, final contractor submittals/invoices, final project management)

Typical milestone activities/work products:

- Acceptance of Contractor As-Built drawings
- Certificate of Substantial Completion/Construction Completion
- Construction contract close-out documentation

D. PROPOSED PROJECT SCHEDULE

	ESTIMATED DURATION OF ACTIVITY IN MONTHS											
	1	2	3	4	5	6	7	8	9	10	11	12
Project Management	■	■	■	■	■	■	■	■	■	■	■	■
Data Collection	■											
Analysis of data/reporting		■										
Initial Design (30%)			■									
Regulatory Coordination	■	■	■	■	■							
Final Design (90%) and Construction Documents				■	■							
Bid & Construction Phase Services						■	■	■	■	■		
Project Closeout											■	



COMMENTS/CHANGE REQUESTS TO STANDARD FORM OF AGREEMENT

1. Please modify Section 7 – Indemnity as follows:

Indemnity. To the fullest extent permitted by law, the Consultant agrees to indemnify, defend, and hold harmless the City, Consultant agrees to indemnify and hold harmless the City, its Council members, officers, agents, employees and volunteers (separately and collectively referred to in this paragraph as "Indemnatee") from and against all claims, damages, losses and expenses including but not limited to reasonable attorneys' fees arising out of or resulting from any negligent act, error, omission, intentional tort or willful misconduct, intellectual property infringement or including failure to pay a subconsultant, subcontractor, or supplier pursuant to the agreement by Consultant, its employees, subcontractors, subconsultants, or others for whom Consultant may be legally liable ("Consultant Parties"), but only to the extent caused in whole or in part by the Consultant Parties. The defense obligation does not apply to professional liability or workers' compensation claims. As it relates to such claims, Consultant shall be liable for reasonable defense costs incurred by City, but only after final adjudication and only to the extent that Consultant is found at fault. IF THE CLAIMS, ETC. ARE CAUSE IN PART BY CONSULTANT PARTIES, AND ALSO IN PART BY THE NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY OR ALL OF THE INDEMNITEES OR ANY OTHER THIRD PARTY, THEN CONSULTANT SHALL ONLY INDEMNIFY ON A COMPARITIVE BASES, AND ONLY FOR THE AMOUNT FOR WHICH THE CONSULTANT PARTIES ARE FOUND LIABLE AND NOT FOR ANY AMOUNT FOR WHICH ANY OR ALL INDEMNITEES OR OTHER THIRD PARTIES ARE LIABLE.

Explanation: (1) The Texas Civil Practice And Remedies Code provides for the recovery of reasonable attorney's fees for rendered services. (2) LJAES' professional liability and workers comp policies provide no defense of third parties, and therefore, regardless of whether Consultant is required to defend the City for professional negligence claims, we are not insured to provide such a defense. However, we can be liable for (and reimburse) those defense costs to the extent that we are liable.

2. Please modify Section 10.06 – Release by Consultant as follows:

Release. The Consultant releases, relinquishes, and discharges the City, its Council members, officials, officers, agents, employees and volunteers from all claims, demands, and causes of action of every kind and character, including the cost of defense thereof, for any injury to, sickness or death of the Consultant or its employees and any loss of or damage to any property of the Consultant or its employees to the extent that is caused by or alleged to be caused by, arises arising out of, or is in connection with the Consultant's work to be performed hereunder. Both the City and the Consultant expressly intend that this release shall apply regardless of whether said claims, demands, and causes of action are covered, in whole or in part, by insurance and in the event of injury, sickness, death, loss, or damage suffered by the Consultant or its employees, but not otherwise, this release shall apply regardless of whether such loss, damage, injury, or death was caused in whole or in part by the City, any other party released hereunder, the Consultant, or any third party.

Explanation: We are insured to be responsible for negligent acts or omissions to the extent of our fault in accordance with the law and the text should clearly identify that the release pertains to the Consultant's services. The original text would have LJAES release the client for the client's own negligence. Such provisions are void and unenforceable under State law.

3. Please modify Exhibit C – Insurance Requirements, Section III, subpart D as follows:

Coverage shall not be suspended, voided, canceled, or not renewed reduced in coverage or in limits except after thirty (30) calendar days prior written notice has been given to the City of South Padre Island.

Explanation: The certificate can be endorsed to provide notice of cancellation or non-renewal. There is no such notice of suspension, voidance, or reduction in limits.

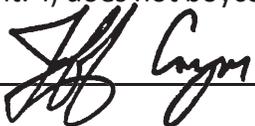
4. Please modify Exhibit C – Insurance Requirements, Section VIII, subpart B as follows:

Minimum of \$1,000,000 per claim and \$2,000,000 aggregate, with a maximum deductible of \$150,000.00
~~100,000.00.~~

Explanation: LJAES' professional liability policy deductible is \$150,000, which is the industry norm for firms of our size.

CERTIFICATION and ACKNOWLEDGMENT

The undersigned affirms that they are duly authorized to submit this Proposal, that this Proposal has not been prepared in collusion with any other Respondent, and that the contents of this Proposal have not been communicated to any other Respondent prior to the official opening. To the extent this Contract is considered a Contract for goods or services subject to § 2270.002 Texas Government Code, Respondent certifies that it: i) does not boycott Israel; and ii) will not boycott Israel during the term of the Agreement.

Signed By:  Title: Vice President

Typed Name: Jeff Coym, PE Company Name: LJA Engineering, Inc.

Phone No.: 361.360.2140 Fax No.: 361.993.7569

Email: jcoym@lja.com

Bid Address: 5350 South Staples Street, Suite 425 Corpus Christi TX 78411
P.O. Box or Street City State Zip

Order Address: 5350 South Staples Street, Suite 425 Corpus Christi TX 78411
P.O. Box or Street City State Zip

Remit Address: 5350 South Staples Street, Suite 425 Corpus Christi TX 78411
P.O. Box or Street City State Zip

Federal Tax ID No.: 76-0540328

DUNS No.: 025475513

Date: 10/04/2020



**Request for Qualifications for
Professional Services for Whitecap Circle
Beach Access Improvements
RFQ No. 2020-SL03**





CONTENTS

Cover Letter	3
Firm Profile	4
Technical Approach	6
Project Management	8
Quality Assurance / Quality Control Plan	9
Construction Engineering Inspection.....	10
Key Staff	12
Team Organization.....	15
Project Experience	15
Funding Procurement.....	24
Awards and Accolades.....	27
Resumes	28

Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements RFQ No. 2020-SL03



October 5, 2020

Mr. Randy Smith, City Manager
City of South Padre Island
4601 Padre Blvd
South Padre Blvd, Texas 78597

Re: RFQ for Professional Services for Whitecap Circle Beach Access Improvements

Dear Mr. Randy Smith,

We appreciate the opportunity to present our Statement of Qualifications in response to the City of South Padre Island's Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements. We have put together a team that strives to exceed expectations, and that possesses true dedication, exemplified by our commitment to project success.

SWG Engineering, LLC (SWG), has been providing engineering services in the South Texas Region, with extensive projects within the Lower Rio Grande Valley, ever since it was established in 1945. Throughout the 75 years in the field of engineering, the employees of SWG have assisted all types of project owners complete their projects and solve their problems, ranging from Municipalities, Counties, Districts, and other political subdivisions, to private industries. We pride ourselves in our commitment to excellence and our dedication to our projects and project owners, such that over 80% of our business is by repeat project owners, pleased with our performance. We work closely with project owners to identify the objectives of the project, and provide a dedicated team of highly qualified professionals to meet those needs. **SWG strives to be more than an engineer to our client. We strive to be trusted partners and consultants.**

Our team's uniqueness is the full-service, all-inclusive approach to the project. With our team's extensive experience, we offer City of South Padre Island a full range of services from funding procurement and administration, to full engineering design and analysis, to surveying and topographic analysis, to construction management and inspections, all to guarantee the successful completion of the project. Our services go beyond the ordinary, as SWG takes the responsibility of serving and safeguarding City of South Padre Island seriously.

We have thoroughly reviewed the scope of work, and are confident in our ability to deliver results in a timely, cost-effective, and professional manner. SWG has worked on paving projects extensively, and possesses the capability to successfully complete this project as well.

We appreciate the opportunity to work with the City of South Padre Island by being of service on this project. Please don't hesitate to give us a call; we would be glad to discuss any questions that you might have. We may be reached at (956) 968-2194 or via email.

Sincerely,

Randall C. Winston, P.E., President

FIRM PROFILE

SWG ENGINEERING, LLC

SWG Engineering, LLC, provides consulting engineering services in the South Texas Region with extensive projects in the Lower Rio Grande Valley. SWG has taken a leadership role in providing quality engineering answers in the Valley through our greatest resource – a dedicated and talented staff. Leadership begins with the principals, who are all Texas-registered professional engineers.

During the 75 years in the field of practice, the employees of SWG have assisted municipalities, counties, political subdivisions, governmental agencies and private industries. Our work speaks for itself as 80 percent of our business is from repeat clients.

Our firm's philosophy is simple, we always strive to provide our clients with unparalleled consulting services by putting our clients' interest first. We work closely with our clients to identify the objectives of the project and assemble a team of highly qualified professionals to meet those needs. SWG strives to be more than an engineer to our client. We are trusted partners and consultants. Our firm's principles are based on efficiency, quality and **unmatched customer service**. We envision cost-effective engineering design concepts without compromising on quality. SWG Engineering is committed to our clients' success. Our experience, combined with our advanced technical support, provides us with the unique ability to expedite the planning and design phase before the actual construction.

As a pioneer of engineering in the Rio Grande Valley, we have continually invested time and money in charitable and public-spirited activities within our community to ensure we contribute to the Valley's continued growth and development of future

AREAS OF SPECIALIZATION

We provide a broad range of services besides design, such as master planning, conceptual studies, feasibility studies, rate studies, environmental studies, preliminary reports, plans and specifications in civil engineering design and structural engineering (bridges, concrete structures, building foundations).

GENERAL SERVICES

- Consulting
- Water Treatment & Distribution
- Wastewater Treatment & Collection
- Irrigation Systems & Treatment
- Storm Drainage Evaluation and Design
- Flood Mitigation
- Feasibility Studies
- Grant Funding Assistance
- Environmental Engineering
- Capital Improvements Plan
- Asset Management
- Construction Management
- Site Planning, Analysis and Design
- Street and Roadway Design
- Flood Control & Flood Plains
- Site Grading & Earthwork
- Land Surveying
- Topographic & Detailed Mapping
- Structural Engineering
- GPS Technology
- GIS Technology

CONSULTING ENGINEERING SERVICES

- City Engineering
- Preparation of Construction Plans
- Preparation of Procurement Documents
- Construction Management
- Project Funding Procurement
- Infrastructure Assessments
- GIS Mapping

Request for Qualifications for Professional Services for Whitecap Circle Beach Access
Improvements RFQ No. 2020-SL03



1.) Firm name, including the addresses of all firm offices identifying in which office the work will be performed:

SWG Engineering, LLC
Primary Office: 611 Bill Summers Intl. Blvd.
Weslaco, TX 78596

McAllen Office: 510 S. Broadway St.
McAllen, TX 78501

2.) Names, position, phone and fax of contact person:

Randall C. Winston, P.E.
President
(956)968-2194
(956)968-8300

3.) Names of principals in the firm; years firm has been in business:

Randall C. Winston, P.E.
Joseph B. Winston, P.E.
75 Years in Business

4.) Listing of all pending litigation against or involving the firm or its agents or employers with respect to any work performed:

N/A

5.) Amount of professional liability insurance coverage carried by your firm:

SWG Engineering, LLC maintains a professional liability insurance in the amount of \$1,000,000.00

6.) Name and phone number of person to contact at the banking institution where firm does business:

Frost Bank
Paola Escalante Castillo
(956)702-6683

7.) Disciplines of consultants for the proposed project:

SWG Engineering – Civil Engineering, Environmental Engineering, Water Resources Engineering, Transportation Engineering, Construction Engineering & Inspection, Surveying, Construction Administration, and Funding Procurement.

8.) Current work load of staff that would be responsible for the project:

SWG Staff would be able to dedicate 75% of their time to this project and is committed to deliver timely results.

TECHNICAL APPROACH

To ensure maximum efficiency and accuracy, SWG employs a systematic approach to executing projects. From engineers to project managers and construction quality control teams, we all adhere to the execution plan in order to deliver the assignment on-time and on-budget.

PHASE 1: PROJECT DEVELOPMENT

This initial phase is crucial for the success of a project. Our team gathers necessary information to commence conceptual engineering, preliminary engineering, and ultimately establish a project budget estimate and schedule before moving into detailed design.

CONCEPTUAL ENGINEERING

- Review project scope
- Formalize strategy
- Review owner design standards
- Review existing utilities and site constraints
- Perform preliminary code search
- Research permitting requirements
- Develop process design basis

PRELIMINARY ENGINEERING

- Establish design criteria and approach
- Conduct code and permitting reviews
- Coordinate with OEMs and vendors
- Create process equipment flow diagrams and layouts
- Estimate with accuracy and contingency variance
- Provide value engineering and alternates
- Develop preliminary schedule
- Determine project staffing

PHASE 2: DETAILED DESIGN

The detailed design phase is where we use the client's input from the project development phase to transform the schematic drawings, outline specifications and project definition into working drawings and specifications.

- Delivery of final outline specification and drawings
- Multiple drawing reviews: 30%, 60%, and 90%
- Drawing acceptance by owner
- Collaboration with vendors and OEMs on longer-lead items

PHASE 3: PROJECT IMPLEMENTATION

Cost control: We perform thorough planning and bid management during procurement, develop a process for change management and prepare detailed accounting for accurate forecasting and reporting.

Quality assurance: Our proactive approach to quality control begins during pre-construction and continues through closeout. It includes rigorous review of design and submittal documents, on-site inspections and project observation reports for every critical juncture, monthly and weekly progress reports, independent agency testing, as well as mock-ups & samples and mechanical systems start-up and training. **We keep tight control throughout construction, to safeguard owner from any deficiencies.**

Schedule controls: We keep projects moving through constant collaboration and planning, which includes regular schedule updates, two-week look-aheads and weekly subcontractor coordination meetings.

Communication: All client communications are handled through our project manager. Our project manager oversees all communication, acting as a single point of contact for design, submittals and shop drawing control, requests for information (RFIs), drawing management procedures and design changes.

Safety: The safety of our employees, clients and contractors is top priority, so we create project-specific safety plans, perform safety audits, create emergency protocols, and adhere to all OSHA requirement.

PHASE 4: COMMISSIONING & CLOSING

- Mechanical systems start-up and training
- Final field inspections
- Punch list
- Record drawings
- Owner's manuals

Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements RFQ No. 2020-SL03



1. PROJECT SCOPE VERIFICATION (5%):

Meet with client to verify project parameters, complete preliminary investigations, budget, schedule, size, location service district...etc.

2. INTERNAL KICK-OFF MEETING (5%):

The design team meets to discuss the project considerations, approach, schedule, and deliverables. This meeting is directed by the project manager and attended by the survey department, designer, engineer, drafter, and the client representative.

3. OBTAIN EXISTING INFORMATION (10%):

Available local record information is researched and existing utility companies are requested to provide their specific utility information.

4. TOPOGRAPHIC SURVEY (15%):

Initiate field work order to cover the project construction area. Office work includes verification of Right-Of-Way, property lines, existing easements and public/private utility location.

5. UTILITY REVIEW (20%):

Preliminary drawings are supplied to all utility agencies for review and comment. All possible conflicts are addressed at this stage. Alternatives are discussed as applicable.

6. PRELIMINARY DESIGN (30%):

Provide preliminary alignment, drawings, schedule, and cost estimates.

7. PERMIT DOCUMENTS (60%):

Final location is determined and all applicable permit applications are prepared. Necessary easements documents finalized and project specifications are assembled.

8. FINAL DESIGN (90%):

All applicable permits and easements are secured. Permitting agency comments and special conditions are addressed. Internal constructability review is conducted. Plans are forwarded to the client for final review and approval.

9. BIDDING DOCUMENTS (100%):

Final plans and specifications are assembled creating the "Bid Package". Client specific sections (General Conditions, Bonds, Agreements, Technical Specifications...etc.) are included.

10. BID ADVERTISEMENT:

Trade publications and local newspapers are used to place the advertisements as authorized by the client. Bidding documents are often scanned and made available for viewing. Hard copies will typically be located at SWG Engineering offices for examination and pickup. General contractors and supplier questions / requests for clarifications are addressed and addenda issued as appropriate.

11. PRE-BID MEETING:

Frequently, this meeting is facilitated by SWG Engineering to ensure bidders have a complete understanding of the project scope.

12. BID-OPENING:

SWG Engineering will facilitate the bid opening meeting that is attended by the client, bidders, and stake holders. All bids are checked for completeness including the required bonds.

13. BID TABULATION & RECOMMENDATION:

Bids are checked for responsiveness, balance, and fatal errors. Bidder's qualifications, insurance, and references are checked. Subsequently, Recommendation of Award will formally be issued to the client.

PROJECT MANAGEMENT

PROJECT INSTRUCTIONS AND WORK PLANS

The Project Manager will initiate work, prepare project instructions and work plans, and manage and control progress of the work. He will be the primary contact between City of South Padre Island and SWG team members. Project instructions will communicate team members' responsibilities and define tasks, schedules, budgets, and coordination methods.

PROJECT MONITORING AND CONTROL

SWG will prepare monthly narrative progress reports describing work accomplished during the reporting period, work anticipated in the next reporting period, issues and concerns, problem resolutions, and schedule and budget updates. A cost summary will document expenditures during the reporting period, cumulative expenditures to date, estimated cost to complete the work, and total estimated cost at completion. The costs will be compared to the budget amounts for each task and show any variance. SWG recognizes that meeting the proposed schedule is an essential part of delivering the project successfully and meeting the budget.

ON TIME AND WITHIN BUDGET

SWG's project management competence rests on our mastery of the tools necessary for managing paving projects. Our project managers have a fully integrated project control system that combines scope, schedule, budget, and forecast data into one database. This real-time reporting project control system assists project teams in the day-to-day management of their projects.

SCHEDULING

The keys to an effective schedule include direct integration with Work Breakdown Structure (WBS), resource-loading to assist with funding needs and budget analysis, identification of milestones or deliverables, logical depiction of work processes, and regular updates to assess project performance. Our scheduling success can be attributed to the Critical Path Method (CPM) developed from software programs, depending on project needs and system compatibility.

BUDGET CONTROL

SWG will use a number of tools for project budget control. These include our management information system for tracking internal project costs; resource utilization, and costs; and cost estimating software for both professional services budget estimates and construction cost estimates. Elements of cost to be estimated include, but are not limited to, are labor, materials, equipment, travel, and expenses.

PROJECT MEETINGS

Well-planned and properly timed meetings ensure excellent service. The kick-off meeting will help ensure that the City of South Padre Island needs, vision, and team member roles and responsibilities are clearly understood. Meetings with City of South Padre Island staff and other agencies, as appropriate, will provide valuable coordination. To reduce costs, conference calls will be used when appropriate.

PROBLEM SOLVING

While many issues can be anticipated and planned around, unexpected obstacles often arise in performance of an endeavor such as this. When obstacles arise, we immediately manage them by investigating the problem, developing alternative solutions, and communicating our ideas for maintaining schedule and budget as soon as possible. Engineers are often described as practical problem solvers, a quality personified by SWG. Characterized by creative thinking, we will offer innovative yet practical concepts for your consideration throughout the project in an effort to better serve City of South Padre Island. We will maintain close contact with your staff, carefully address their ideas, and include them in developing project solutions wherever appropriate.

QUALITY ASSURANCE/ QUALITY CONTROL PLAN

The following summarizes the general planning methodology that our team has developed. At SWG Engineering, we believe that it is our responsibility to ensure the accuracy and quality of our proposed projects. Our team prides themselves in client support by ensuring each designated project team member is invested to see their part of the design become a reality. We ensure the all documents are meeting standards and are coordinated between consultants. Quality control is an everyday practice. SWG has developed a Quality Assurance and Quality Control (QA/QC) plan, with the ability to modify it so that it specifically meets each individual projects' requirements. Each project presents unique opportunities and challenges, making customization key.

Our plan consists of:

- **DESIGN CONSULTATION (i.e. PRELIMINARY DRAWINGS AND EXHIBITS)**
 - We ensure all expectations, design criteria, and construction standards are met.
- **PARTICIPATION**
 - We encourage ample participation from stakeholders, public entities, and community groups to ensure all expectations are constantly being exceeded.
- **STANDARD OPERATING PROCEDURES**
 - Set standard of how our firm prepares, produces and reviews plans, specifications, estimates, calculations and other necessary submittal items.
 - Specific procedures based upon type of project, size, scale, and scope of work.
 - Role coordination procedures are followed to properly assign tasks without creating conflicts.
 - Proper procedures followed for obtaining necessary permits.
 - Final review methodology to ensure adequacy of total project design.
 - Each document is independently reviewed and verified for clarity, feasibility, completeness and a precision.
- **SUBSTANTIATION**
 - Proper documentation and submission of required submittals to ensure all QA/QC procedures have been met.
- **FIELD CONSTRUCTION QA/QC**
 - Field Inspection Daily Observation Reports.
 - HD 4K aerial video recordings and drone flights that will showcase project scope, progress, and completion.
 - Also a valuable tool for project owner to showcase improvements to public and stakeholders.

**Request for Qualifications for Professional Services for Whitecap Circle Beach Access
Improvements RFQ No. 2020-SL03**



- Time-lapse recordings, where applicable or requested, to showcase impact of improvements.
 - Also a valuable tool for project owner to showcase improvements to public and stakeholders.
- Web-based service for client's authorized personnel to access, view, and comment on project documents.
- **OTHER**
 - Showcase/Announcement of successful project completion on ASCE-RGV monthly newsletter for public outreach, if desired.

We are aware that each project presents unique opportunities and challenges; customization is the key to success. Our goal is to provide design consultation, drawings, exhibits, and participation in meetings with stakeholders, community groups, and public entities to develop a successful design.

Our firm has built a reputation for high quality work achieved in a spirit of collaboration, both within the firm and with our clients. Quality management is best achieved when all members of a team are thoroughly invested in the project and see their part of the design as a piece of the whole picture. Our team assures the construction documents are meeting standards and are coordinated between consultants. Quality Control is an everyday practice.

Our goal is to make sure that the drawings can be built as planned. We host project coordination meetings and implement internal deadlines to review everyone's goals. This helps us ensure that our clients' needs and requirements are being met. At key milestone of 30%, 60% and 90% progress, our team produces a set of red-lines for an internal review of documents. Constant review of the work is crucial to eliminate human error.

The team's focus on Quality Control assures that our services are continually meeting the goal of continual improvement throughout the process, leading to design excellence.

CONSTRUCTION ENGINEERING INSPECTION

At SWG Engineering, we have a proven history of delivering successful engineering, environmental, and construction management solutions for projects since 1945. Our team prides ourselves in demonstrating value to our clients through our work by conveying innovative, cost effective, and timely design solutions to their unique request. Our designated Construction Engineering Inspector provides professional supervision in the field, ensuring that our plans are coming to life as per all specifications and design criteria.

SWG is glad to provide the following services under our CEI:

- Full construction oversight to ensure construction as per plans and specifications
- Coordination with all Contractors, Consultants, and Clients
- Overview of tests through independent laboratories on an as needed basis per project specifications
- Ensuring that all ongoing construction meets established timelines
- Preform Field Inspection Report for each site visit
- Performing monthly drone flights inspections for stakeholders meetings
- Monitoring through time-lapse equipment and recordings to ensure proper QA/QC
- Overseeing that all Safety and Quality Procedures are taking place at all times.
- Ensure that workmanship meets or exceeds expectations
- Ensure high quality materials are used

SWG understands that the best set of plans are only as good as their equivalent construction on the field. This is why SWG ensures coordination and enforces strict oversight over the construction teams, to guarantee the successful construction and realization of the project plans.



KEY STAFF



Project Manager

Randall C. Winston, P.E., MSCE, President

Texas Registered Professional Engineer No. 70417

Master of Engineering in Civil Engineering, Texas A&M University

Bachelor of Science in Civil Engineering, Texas A&M University

Mr. Winston has 34 years of experience in the Civil Engineering industry. His experience includes being principal engineer for several largescale projects in design, regulations, budget and schedule control, and construction management. He has been lead engineer for projects in different various disciplines, such as distribution and collection utility systems, detention facilities, drainage systems, civil site work, grading and paving projects, subdivision design and platting, and road widening, among others. As Project Manager, Mr. Winston will be responsible for providing superior client service to ensure complete client satisfaction. He'll ensure technical delivery of the design, and adherence to QA/QC, safety and health requirements, managing project staffing, and financial performance tracking. Mr. Winston has expertise in working with regulatory agencies such as TCEQ, TxDOT, Army Corp of Engineers, IBWC, and other regulatory agencies. In addition to regulatory agencies, Mr. Winston has extensive knowledge with funding agencies such as TWDB, USDA, NADBANK/BECC, FEMA, CDBG, GLO, HUD, TDEM, EDA, among others.



Project Manager

Joseph B. Winston, Jr., P.E., RPLS, Vice President

Texas Registered Professional Engineer No. 31109

Texas Registered Professional Land Surveyor No. 3780

Bachelor of Science in Civil Engineering, Texas Tech University

Mr. Winston has over 54 years of civil engineering and surveying experience. His experience encompasses largescale project designs, regulation, analysis, project and construction management, as well as engineering studies, environmental oversight, utility coordination and conflict resolution oversight, hydrology, hydraulic design, plan review, public involvement. He has extensive experience on projects ranging from civil site work, to transportation and paving design, to drainage design, to largescale utility designs, among others.

In addition, Mr. Winston has 54 years of experience throughout the Rio Grande Valley consulting for various entities in the private sector as well as governmental clients. Furthermore, Mr. Winston has served as City Engineer Consultant for various entities such as City of Alamo, City of San Juan, City of Mercedes, and City of La Feria, among others, where he assists and serves the city on all engineering matters.

**Request for Qualifications for Professional Services for Whitecap Circle Beach Access
Improvements RFQ No. 2020-SL03**



Senior Project Engineer

Jose G. Reyes, P.E.

Texas Registered Professional Engineer No. 93827

Bachelor of Science in Mechanical Engineering, University of Texas at San Antonio

Mr. Reyes has 21 years of engineering experience. His experience is composed of engineering design, project estimation and scheduling, planning and controlling, engineer in charge, and coordination. Jose has a strong understanding of both the public and private sectors with project design and oversight experience in Water and Wastewater Utility Design, Drainage Improvements, Civil Improvements, Subdivision Layout Design, Ditch and Crossing Design for Roadways, Transportation design, and Paving and Grading design. Mr. Reyes also a strong working knowledge of coordinating with agencies such as TCEQ, TxDOT, IBWC, TWDB, TPWD, NADBANK, USDA, and FEMA. As Project Engineer, Mr. Reyes will be responsible for project oversight, project design support, and coordination with project drafting and surveying, participate in the review of existing data, and gathering of field data.



Project Engineer

Isaac J. Huacuja, E.I.T.

Engineer-In-Training Certificate No. 60690

Bachelor of Science in Civil Engineering, University of Texas Rio Grande Valley

Mr. Huacuja has 6 years of civil engineering experience. His experience includes consulting in Civil Engineering on design and development of Water Resources, Water Distribution Systems, Wastewater Collection Systems, Stormwater Drainage, Flood Mitigation, Pump Systems, Hydraulic Modeling, and Paving and Grading design. Mr. Huacuja also has experience working and coordinating with agencies such as FEMA, TDEM, USBOR, USDA, TWDB, and TPWD. As a Project Engineer, Mr. Huacuja's role will be in project design and project management support, as well as project control specialist, utilizing his background of project planning, management, and design experience for civil and environmental design and construction.

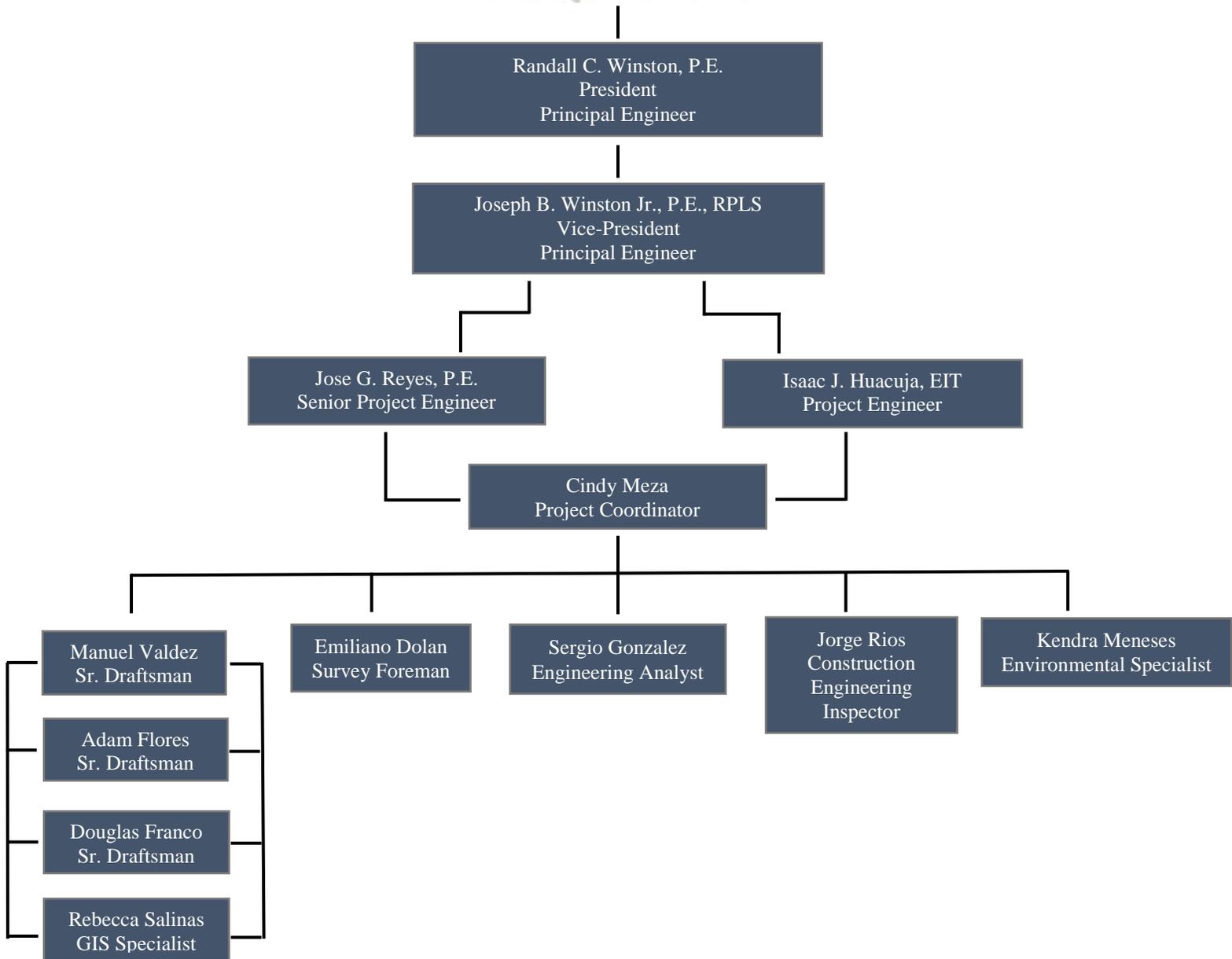


**Construction Engineering Inspector
Jorge Rios, Graduate Engineer**

Bachelor of Science in Mechanical Engineering, University of Texas
Pan American

Mr. Rios has 22 years of experience in Construction Management & Inspection. His background knowledge in Mechanical Engineering allows him to have a better understanding of the standard operating procedures required by the design engineer. Jorge's experience consists of inspection and oversight of several largescale projects, such as distribution and collection utility systems, detention facilities, drainage systems, civil site work, and grading and paving projects. Mr. Rios is responsible for full construction oversight of each project to ensure all projects and plans are being built to its specifications, performing Quality Assurance and Quality Control assessments throughout. Additionally, he coordinates with Engineers, contractors, subcontractors, and conducts regular field inspections and reporting, ensuring all safety and quality procedures are met, and assists with proper communication to ensure project is within budget and on time. He has worked as Resident Project Representative for several large scale projects, on which funding by federal agencies required strict construction compliance.

TEAM ORGANIZATION



Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements RFQ No. 2020-SL03



Client: City of Port Isabel
Contact: Mr. Jared Hockema, City Manager
Address: 305 Maxan Street, Port Isabel, Texas 78578
Phone: (956) 943-2682
Date: May 2018- November 2018
Contract Value: \$25,000.00
Project Summary: *Marcello's and Garcia St.*



Design of parking layout and road traffic improvements. Installation of 53 square yards of 4" thick reinforced concrete sidewalk, 70 linear feet of concrete curb and gutter with fibrous reinforcement.

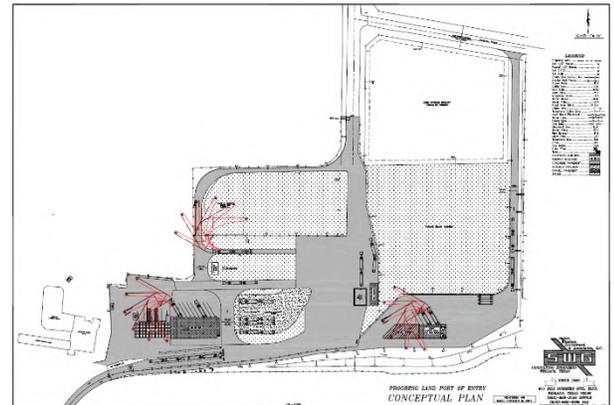
Client: City of Donna
Contact: Mr. Jonas Gonzalez, Director of Public Utilities
Address: 307 S. 12th St., Donna, TX 78573
Phone: (956)464-3314
Date: 2017- 2018
Contract Value: \$180,252.00
Project Summary: *Shops on 493*



Design of layout and improvements. Installation of 6, 075 Square Feet of Pavement and 1,124 LF of reinforced concrete pipe.

Client: Progreso Bridge Company
Contact: Ms. Marga Lopez, Bridge Director
Address: 251 S. International Blvd, Progreso, TX 78579
Phone: (956) 565-6361
Date: 2017- Ongoing
Contract Value: \$2,600,000.00

Project Summary: Analysis, design, development, and CEI of paving and drainage project for the Progreso Land Port of Entry Expansion Project. Federal agencies such as GSA, CBP, FDA, FMCSA, were involved in the process. Approx. 15,000 SY of new pavement was added as part of the project.



FUNDING PROCUREMENT

PROJECT MANAGEMENT

Being a full-service firm, and always being mindful of the project owners' bottom line, SWG Engineering provides Funding Procurement services for any project we are involved in. Our management team has prepared numerous grant applications over 30 years in municipal government. Many of these applications funded and accounted for millions of dollars of infrastructure improvements including water and sewer systems, drainage systems, streets, parks, downtown revitalization, housing, economic development, emergency management, first responder facilities, and other capital improvements.

We've worked with large cities and small towns, and we've found that many times there is funding available that will save the owner from expending funds from their own budget, or that perhaps the owner is in dire need of a project they cannot afford at this time. In both of these cases, the owner would benefit from procuring project funding.

Our team of Administrators and Engineers work side by side to assemble a competitive, accurate application that exceeds the target Agency's requirements. We have worked with various types of funding, ranging from sub-market rate low interest loans, 100% grants, or a combination of both grant and loan, procured through various agencies and methods.

ADMINISTRATION EXPERIENCE

SWG has provided Funding Procurement Services to secure project funding from many local, state, and federal agencies, such as: TWDB, USDA, NADBANK/BECC, FEMA, CDBG, GLO, HUD, TDEM, EDA, TPWD, BOR, among others. SWG Engineering has over 30 years of municipal funding experience including financial management, identifying grant resources, grant writing, and grant management.

ENVIRONMENTAL CLEARANCE PROCEDURES

In addition to the funding procurement itself, SWG also has experience executing environmental clearance procedures from inception through completion, to include initiating the environmental process by coordinating contact with applicable state agencies, such as Texas Historical Commission, EPA, Tribal Organizations, and U.S. Fish and Wildlife Service, to completion of the Environmental Review Record. Our firm is knowledgeable with the provisions of a full Environmental Assessment (EA), Categorical Exclusions (CE), Preliminary Engineering Reports (PER), Environmental Reports (ER), various Water Reports, Benefit Cost Analyses, and is capable of executing all to completion. For more than 30 years we have contracted with the Texas General Land Office as an Environmental Service Provider to complete the environmental assessments for communities that were affected by Hurricanes Dolly and Ike, increasing our knowledge of the regulations required for environmental approval.

A few of our most recent successfully secured funds are for the following project:

**Request for Qualifications for Professional Services for Whitecap
Circle Beach Access Improvements RFQ No. 2020-SL03**



Bureau of Reclamations (BOR)

- Delta Lake Irrigation District Canal Lining \$1,000,000.00
<https://www.usbr.gov/watersmart/weeg/docs/2018/FY2018-WEEG-Project-Descriptions.pdf>

Federal Emergency Management Agency (FEMA)

- City of Lyford HMGP Drainage Improvements \$750,000.00 (TDEM)
- City of La Feria HMGP Drainage Improvements \$500,000.00
- City of La Feria HMGP Drainage Improvements \$ 2,600,000.00



FEMA



General Land Office (GLO)

- City of La Feria Water and Wastewater Improvements \$ 16,000,000.00

Housing and Urban Development (HUD)

- City of La Feria(CDBG) \$13,000,000.00



North American Development Bank (NADBANK/BECC)

- Hidalgo & Cameron Counties Irrigation District Water Conservation Project \$1,250,000.00
<https://www.nadb.org/our-projects/infrastructure-projects/water-conservation-improvement-project-for-hidalgo-and-cameron-counties-irrigation-district-no-9-mercedetexas>
- City of La Feria Water and Wastewater Improvements \$13,820,000.00
<https://www.nadb.org/our-projects/infrastructure-projects/water-and-wastewater-improvements-project-in-la-feriatexas>



Texas Parks & Wildlife Department (TPWD)

- City of Port Isabel Washington Park \$150,000.00
- City of La Feria Nature Center
- City of Los Indios Park \$150,000.00



Texas Water Development Board (TWDB)

- City of La Feria Water & Wastewater Improvements \$15,000,000.00
- City of Ingram Sanitary Sewer Line Improvements \$1,000,000.00
- Delta Lake Irrigation District Canal Lining \$60,000.00



**Request for Qualifications for Professional Services for Whitecap
Circle Beach Access Improvements RFQ No. 2020-SL03**



- City of Mercedes Capisallo Subdivision Sanitary Sewer and Lift Station \$2,500,000.00

United States Department of Agriculture (USDA)

- Sharyland Water Supply Corporation Water Treatment Plant No. 3 \$25,000,000.00
- City of Ingram Wastewater Improvements \$ 10,600,000.00



AWARDS AND ACCOLADES



American Society of Civil Engineers- Rio Grande Valley 2019 Civil Engineer of the Year

Randall C. Winston PE., President of SWG Engineering LLC., was recognized and awarded the 2019 Civil Engineer of the Year award on behalf of his 34 years of leadership in the public works industry. Mr. Winston has devoted his life to helping the Rio Grande Valley and beyond improve their quality of life and sustainability within their communities by providing innovative solutions with every design.

Among Mr. Winston's most recent accomplishments is the recent award by the City of Weslaco as Design Engineers for a \$4.7 Million dollar drainage project. This issue was identified during the recently completed Drainage Master Plan and made part of the 2019 bond projects, both prompted by the 2018- 100 year storm event and the 2019- 500 year storm event.

American Society of Civil Engineers- Rio Grande Valley 2019 Innovative Project of the Year:

Canal to Pipeline Conversion of Canal A-20

Primary Leads: Mr. Randall C. Winston PE. & Mr. Isaac Huacuja, EIT



The Delta Lake Irrigation District canal to pipeline conversion project is an ongoing project, which has been in development for almost two years, and has an estimated construction timeline of two additional years. A grant from the Bureau of Reclamation (BOR) of \$1 Million dollars was procured by SWG to aid in the cost of construction of this important project.

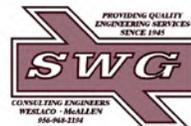
The project will convert approximately 28,000 linear feet (~5.3 miles) of deteriorated canal into a modern pipeline system. This pipeline will contain flowmeters at strategic points to monitor water flow, and has sluice gates and line gate calves at specific locations to isolate pipeline sections as necessary. Additionally, the main diesel pump station will be deleted and has been designed to be replaced as a state-of-the-art pump station, with VFD-controlled twin electric pumps, which will enable the deletion of 5 total diesel pump stations in the system. The flow meters will also connect to this master pump station, and the entire systems will be capable of being monitored and controlled remotely.

The deletion of the diesel pump station will significantly lower operation and maintenance costs to the District, while eliminating any contamination from them. Additionally, and the primary reason why the BOR funded the project, the canal conversion to pipeline project is anticipated to save approximately 2,050 acre-feet of water, being 668 million gallons, per year.



The Associated General Contractors of America- Rio Grande Valley Chapter 2019 Engineering Firm of the Year

SWG Engineering LLC is a local civil engineering firm native to Weslaco, Texas, established in 1945. It was recently recognized by the AGC as Engineering Firm of the Year, an honor for the Firm and its staff. Since its inception, SWG has strived to serve local communities in many different capacities, ranging from funding procurement assistance, to design and development of projects, to construction management. Now with locations in both Weslaco, Texas and McAllen, Texas, SWG continues to provide and apply innovative and cost-effective strategies to every project.



RESUMES

Randall C. Winston, P.E., MECE

President

Weslaco, TX 78596

(956) 968-2194

randy@siglerwinstongreenwood.com

EDUCATION

Texas A&M University

Master of Engineering, Civil Engineering, Environmental Eng. Dept.

1988

Texas A&M University

Bachelor of Science in Civil Engineering

1985

REGISTRATION

Professional Engineer State of Texas No.: 70417

WORK EXPERIENCE

Environmental Projects, Water Treatment, Wastewater Treatment, Solid Waste Management, Industrial Wastewater and General Civil Engineering

SWG Engineering, Weslaco, Texas - January, 1989 - Present

Environmental Engineering Lab Instructor and Lecture Substitute

Texas A&M University, College Station, Texas - June, 1987 - December, 1988

General Civil Engineering and Consulting

Sigler, Winston, Greenwood & Assoc., Inc., Weslaco, Texas December, 1985 - June, 1987

PROFESSIONAL AFFILIATIONS

- Tau Beta Pi Engineer Honor Society
- American Society of Civil Engineers (ASCE)
- National Society of Professional Engineers (NSPE)
- Texas Society of Professional Engineers (TSPE)

OTHER AFFILIATIONS

- Member of Rotary Club
- Past-President of Weslaco Rotary Club (1996-1997)
- Weslaco Chamber of Commerce
- Redcoat Ambassador

SUMMARY OF WORK EXPERIENCE

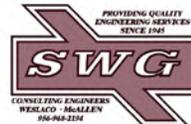
- Delta Lake Irrigation District Canal A: 28,500 LF of Canal Conversion to 36" and 24" Pipeline Design and Project Management
- Delta Lake Irrigation District Canal A: Procurement of \$1M US Bureau of Reclamations grant
- Progreso Bridge Co. Port of Entry: Paving and Detention Pond Design

**Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements
RFQ No. 2020-SL03**



- Sharyland Water Supply Corporation Design and Construction of Water Treatment Plant NO. 3
- Sharyland Water Supply 1.0 MG Elevated Water Tower
- Sharyland Water Supply WTP #1: USDA \$6 Million Funding Coordination
- City of Donna 1.0 MG Elevated Water Tower
- City of Ingram Wastewater Improvements - Phase I
- City of Ingram Wastewater Improvements - Phase II
- City of Ingram Lift Station No. 1 and No. 2
- Solid waste disposal sites and transfer stations.
- City of Weslaco EDAP Facility Plan
- Weslaco T- Mobile: Civil Site Grading, Paving, and Detention Pond Design
- Landfill Closure for the City of McAllen.
- Landfill Surveying and Engineering for BFI Landfill, Donna, Texas.
- Water distribution study for the Sharyland Water Supply Corporation.
- Odor control study for the City of Weslaco Wastewater Treatment Plant and Collection System.
- Wastewater pretreatment plant for Southern Frozen Foods packing plant in Alamo (a 0.5 million gallon per day flow, 1,210 mg/l BOD₅ average).
- Study and pilot program for the City of La Feria using manmade wetlands as secondary treatment for lagoon effluent.
- City of Weslaco Economically Distressed Areas Program (EDAP) Facility Plan.
- City of McAllen Wastewater Treatment Plant No. 3, Four (4) Million Gallon Per Day Addition.
- Environmental Assessment for Hidalgo County Irrigation District No. 6 for a loan application to the United States Bureau of Reclamation. Complete archeological and environmental coordination with Local, State and Federal Agencies with approval for this project was done in this report.
- Multiple site work for HEB Stores located across the Valley: Ware Road HEB, McAllen; Weslaco HEB; Mercedes HEB; and subdivision work on Alamo HEB.
- Subdivision and site work for Weslaco Luby's Cafeteria.
- Weslaco Independent School District/ South Palm Gardens -- Septic tank design and drain field.
- City of Weslaco - City Engineer from 1990 to 2006, 2018 - Current
- City of McAllen Water Treatment Plant 2 MGD addition to the North Treatment Plant to bring total permitted capacity to 8 MGD.
- City of Weslaco Odor Control for North Wastewater Treatment Plant
- City of Weslaco 1 MGD Addition Extended Aeration Wastewater Treatment Plant
- City of Weslaco Study and Master Plan for Water and Wastewater Facilities
- City of Weslaco La Colonia Las Palmas Sewer Improvements
- City of McAllen Rehabilitation of Sludge Beds at WWTP No. 2
- City of McAllen PUB Sludge Handling Facility Pilot Study and Recommendations
- City of McAllen Highland Lift Station
- City of Weslaco Re-Design of Pumps and Motors and Controls for LS No. 27

Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements
RFQ No. 2020-SL03



Joseph B. Winston, Jr., P.E. R.P.L.S.,

Vice President

Weslaco, TX 78596

(956) 968-2194

joe@siglerwinstongreenwood.com

EDUCATION

Texas Tech University

Bachelor of Science in Civil Engineering

1966

REGISTRATION

Professional Engineer State of Texas No.: 31109

Registered Public Surveyor of Texas No.: 3780

WORK EXPERIENCE

Principal-Consulting Engineering Firm of SWG Engineering, LLC. Weslaco, Texas

1969 – Present

Junior Engineer-Winston & Greenwood, Consulting Engineers, Mercedes, Texas 1966-1969

PROFESSIONAL AFFILIATIONS

- Member of Texas Society of Professional Engineers
- Member of American Society of Professional Engineers

SUMMARY OF WORK EXPERIENCE

- Served as City Engineer on a retainer basis for the cities of Alamo, Texas, and City of San Juan, Texas
- Currently serving as City Engineer on a retainer basis for the City of Mercedes, Texas, and the City of La Feria, Texas
- Prepared EDA Application for Water Distribution and Wastewater Collection System Improvements for the City of Weslaco
- Prepared EDA Application for Water Treatment and Water Distribution Improvements for the City of Alamo
- Engineer in charge of 750,000 Gallon Elevated Composite Water Tank for City of Mercedes
- Engineer in charge of 500,000 Gallon Composite Elevated Tank
- Engineer in Charge of Water Treatment Plant Renovation, Water Treatment Plant Expansion, Water Distribution Additions, Wastewater Treatment and Collection Improvements for the City of Alamo
- Assisted with collection and analysis of water samples for Area Wide Plan for Sewerage Treatment Facilities for the Rio Grande Valley Pollution Control Authority/Lower Rio Grande Valley Development Council
- Assisted with the Non-Point Source Report for the Lower Rio Grande Valley Development Council 208 Water Quality Program
- Directed gathering and analysis of data for the Flood Insurance Survey of several cities in Hidalgo County
- Prepared Master Plan and Studies for DHUD Water Improvements, Wastewater Improvements, Paving and Drainage Improvements for the City of San Juan
- Engineer in Charge of Water Treatment Plant Renovation, Water Treatment Plant Expansion, water Distribution Improvements, Development of Raw Water Reservoir, Wastewater Collection Improvements, Wastewater Treatment Plant Expansion, Storm Water Improvements, and Paving Improvements for the City of San Juan
- Prepared Solid Waste Permits for the Cities of Mercedes, Alamo, San Juan, and McAllen
- Assisted the City of Harlingen Water Works System with full-time residence inspection services for the New 15 MGD M.F. Runnion Water Treatment Plant and Reservoir and with Water Distribution Improvements
- Chairman for three years of the Lower Rio Grande Valley Development Council's Pre-Application Review Panel
- Engineer in Charge of the 2.0 MGD Loma Alta Water Treatment Plant and Above Ground storage Tank for the Brownsville Navigation District

Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements
RFQ No. 2020-SL03



- Engineer in Charge of Report, Plans and Specifications for the Rehabilitation of Irrigation and Drainage Facilities of Hidalgo County Water Improvement District No. 5, Progreso -- a project with more than \$ 6,000,000 in construction costs
- Engineer in Charge of the Improvements, Additions, or New Construction of Several Mobile Home Parks -- Llano Grande, Alamo Palms, Winter Ranch, etc.
- Improvements to Water Treatment Plant No. 1, including a New Clearwell, City of McAllen.
- Engineer in Charge of 54" Raw Water Line, two - 7.5 MGD Expansions, Three - 2 Million Gallons Above Ground Storage Tanks with Transfer Pumping, Four Additional High Service Pumps, including Building, a \$ 4,500,000 -- 8.0 MGD Addition, SCADA Instrumentation, and Exterior Improvements for the Southwest Water Treatment Plant (formerly Water Treatment Plant No. 2), City of McAllen.
- Rehabilitation of Water Treatment Plant for the City of Roma.
- Assisted with Chlorination-Dechlorination, and Instrumentation for Wastewater Treatment Plants No. 2 and 3, City of McAllen.
- Assisted with Municipal Park Improvements for the cities of Hidalgo, Mercedes, and La Feria, including Swimming Pool Improvements for the City of Hidalgo and City of Mercedes.
- Engineer in Charge of 24-inch Distribution Main Improvements for the City of McAllen.
- Engineer in Charge of the Cleaning and Repairing of Elevated and Ground Storage Tanks for the cities of Laredo, San Juan Alamo, Mercedes, and La Feria.
- Assisted architectural firm with the development of a wastewater disposal system for the Zenith Electronics Maquiladora Plant in Mexico
- Engineer in Charge of report, and plans and specifications for two separate projects for the Relocation of Utilities within IH 35 for the Laredo Waterworks System
- Engineer in Charge of Repairs to Raw Water Intake Screens and Pumps for the Laredo Waterworks System
- Engineer in Charge of the Renovation of the 18.0 MGD Water Treatment Plant No. 1 including New Equipment for Mixing, Settling, Electrical, Chemical, Instrumentation, Piping, Valves, etc., for the Laredo Waterworks System. Also included was coordination with architect of major architectural improvements
- Engineer in Charge of plans and specifications for the Renovation for the Chemical Feed Equipment for Water Treatment Plant No. 2, Laredo Waterworks System
- Engineer in Charge of Water Rate Study for the City of San Juan and the City of Mercedes. Assisted with water rate studies for the Laredo Waterworks System and the City of McAllen
- Engineer in Charge of the Renovation of the 1.3 MGD Wastewater Treatment Plant including Additional Sand Drying Beds, and the Addition of a 1.0 MGD Extended Aeration Wastewater Treatment Facility for the City of Mercedes
- Engineer in Charge of the Renovation of the Water Treatment Plant for the City of Mercedes, and the Addition of a Residual Management Basin, and a 1.2 MG Clearwell
- Engineer in Charge of Developing a Supplemental Water Well, Storage and Pumping Facilities for Southern Frozen Foods in the City of Alamo
- Engineer in Charge of Renovation of Water Treatment Plant, including Adding Clarification, 500,000 Gallon Clearwell, and Chemical Feed System for the City of La Feria
- Engineer in Charge of Additional Wastewater Treatment Capacity in the form of oxidation lagoons for the City of La Feria
- Engineer in Charge of Parking Facilities, Bus Service Roads, Tennis Courts, and Other Site Improvements for the Mercedes Independent School District
- Engineer in Charge of Rehabilitation of the Water Treatment Plant of Phoenix Frozen Foods in Monte Alto
- Engineer in Charge of Field Work and Site Development of Two Industrial Parks for the City of Mercedes
- Prepared Applications for the Innovative and Alternative Technology Funding for Land Application of Wastewater and Sludge for the city of McAllen
- Engineer in Charge of Rehabilitation of Major Lift Stations for the City of Mercedes
- Preparation of Solid Waste Site Closure Plans for the City of Mercedes and the City of McAllen
- Engineer in Charge of Field Work and Site Development of Two Industrial Park Sites for the City of La Feria

**Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements
RFQ No. 2020-SL03**



- Engineer in Charge of Plans and Specifications for Water Distribution Improvements, Wastewater Collection Improvements, Paving and Drainage Improvements for the City of Mercedes from 1978 to currently
- Engineer in Charge of Plans and Specifications for Water Distribution, Wastewater Collection and Paving and Drainage Improvements for the City of La Feria from 1976 to currently
- Prepared Study and Analysis of Leaks in a 30"/36" Raw Water Line serving CPL's J.L. Bates Power Station.
- Engineer in Charge of Solid Waste Transfer Stations for the City of La Feria and the City of Mercedes
- Engineer in Charge of O&M Manual for the City of Mercedes Wastewater Treatment Improvements
- Prepared Feasibility Study for Additional Water Treatment Plant Capacity for the City of McAllen
- Provided Engineering Analysis and Costs for City of La Feria Master Plan
- Prepared a Joint Drainage Study for the City of La Feria and La Feria Irrigation Dist. No. 3
- Engineer in Charge for Economically Distressed Areas (EDAP) Application and Facility Plan for the City of Mercedes
- Engineer in Charge of Disinfection Studies for the Cities of La Feria, Mercedes, and McAllen
- Engineer in Charge of Site Improvements for HEB Grocery in the Cities of Weslaco and Pharr
- Engineer in Charge of Bridge over Anacuitas Seco Drain and Box Culvert and New Floodway Levee Structure for Hidalgo County Drainage District's Drainage Improvements in the City of Mercedes
- Assisted Mejia and Rose, Inc. with Water Treatment Improvements to the City of Los Fresnos Water Treatment Plant Engineer in Charge of Plans and Specifications for a New Municipal Water Well for the City of Mercedes

Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements
RFQ No. 2020-SL03



Jose G. Reyes, P.E.

Weslaco, TX 78596

(956) 968-2194

CONSULTING ENGINEER

jreyes@siglerwinstongreenwood.com

EDUCATION

University of Texas at San Antonio

Bachelor of Science in Mechanical Engineering

1995

REGISTRATION

Professional Engineer State of Texas No.: 93827

WORK EXPERIENCE

SWG Engineering, LLC

Senior Project Engineer

Eberle Materials, Inc

Project Manager

Clore Construction Co.

Senior Project Manager

EISG, Inc.

Contractor Quality Control Systems Manager

M Garcia Engineering, LLC

Senior Project Manager

Guzman & Munoz Engineering & Surveying, Inc.

Senior Project Manager

Ballenger Construction

Contractor Quality Control Systems Manager

Dos Logistics, Inc.

Project Manager

TEDSI Infrastructure Group

Project Manager

S & B Infrastructure, LTD.

Assistant Engineer

J. Saenz & Assoc.

Design Engineer

Weslaco, Texas
09/2017 – Present

2016-2017

2015-2015

2014-2015

2013-2014

2010-2012

2010

2008- 2009

2002-2008

1999-2002

1999

PROFESSIONAL AFFILIATIONS

- Member of Texas Society of Professional Engineers
- Member of National Society of Professional Engineers
- Member of American Society of Professional Engineers
- Member of American Society of Civil Engineers

SUMMARY OF WORK EXPERIENCE

- City of Donna: Proposed Offsite Waterline Improvements, Wastewater and Water Improvements Phase 2 for The Shops at 493 Subdivision: Engineer in charge of Design and Construction.
- Proposed Paving Improvements and Drainage Improvements for The Shops at 493 Subdivision Phase 2: Engineer in charge of Design and Construction.
- Proposed 12” Offsite, Interconnecting Waterlines and Existing Elevated Tank Improvements: Engineer in charge of Design and Construction.

**Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements
RFQ No. 2020-SL03**



- SWSC's WTP #2: Paving and Drainage Improvements: Engineer in charge of Design and Construction.
- SWSC's 10,100 LF of 12" WL: Transmission: Engineer in charge of Design and Construction.
- City of Port Isabel Medians: Civil Improvements: Engineer in charge of Design and Construction.
- City of Port Isabel Washington Park: Civil Improvements: Engineer in charge of Design and Construction.
- City of Harlingen I.S.D: Paving and Drainage: Engineer in charge of Design and Construction.
- City of Port Isabel Garcia Street: Engineer in charge of Design and Construction.
- NAWSC's 5100 LF of 6" WL: Engineer in charge of Design and Construction.
- City of Los Indios Community Park: Civil Improvements: Engineer in charge of Design.
- City of Mercedes Community Center: Civil and Paving Design: Engineer in charge of Design and Construction.
- City of Donna Waterline Interconnect Improvements: Civil Design: Engineer in charge of Design.
- City of Weslaco Pleasantview and 11th Street: Civil and Drainage Design: Engineer in charge of Design of Crossings and Ditch Improvements.
- City of Weslaco: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of Weslaco IBWC Levee: Civil Design: Engineer in charge of Design and Construction.
- Long Island Village: Civil Design: Engineer in charge of Design of Water, Wastewater and Paving Improvements.
- Hidalgo County: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of Weslaco: Designed of Subdivision, Engineer in charge of Plat and Construction Plans.
- City of McAllen: Designed of Subdivision, Engineer on charge of Plat and Construction Plans.
- UTRGV –IEAS Building and UTRGV – Science Building
- USIBWC, LRGFCP, Progeso Levee: (Project length 6 miles)
- USIBWC, LRGFCP, North Floodway and Arroyo Colorado Levees: (Project length 26.8 miles)
- Mission Levee, Common Levee/Anzalduas Dike Improvements, USIBWC/DHS
- Colonias Access Program (CAP)
- Anzalduas International Bridge
- Responsible for the management and administration of the Project.
- Morrison Rd., Responsible for management and administration. For the design of the schematic layout and then continued with the PS&E. Designed the horizontal alignment using existing survey data and TxDOT Roadway Design Manual criteria
- Mile 6 West, Responsible for roadway pay quantities, and design of pavement markings as per TxDOT standards and the Texas Manual on Uniform Traffic Control Devices (TMUTCD).
- Mile 2 WEST, Responsible for the pavement quantity calculations and roadway design for Schematic Layout. Developed transition lengths sections as per TxDOT Standards. Prepared Plans and Profiles, Sign Summaries, SW3P's, Pavements Markings and TCP's. Sized culverts and developed culverts layout as per TxDOT Standards
- IH 35 RAMP SCHEMATIC, Responsible for evaluating different ramp alternatives alignments for IH 35. Developed typical sections for the proposed on and off ramps as per TxDOT standards.
- JBS PARKWAY, Odessa, TX, Developed all the required documentation for TxDOT Public Meetings. Developed Pre-Construction Estimates and Project Layouts for the proposed interchanges configurations alternatives.
- US 83/SH 359 – Laredo, TX, Developed plans and profiles, design roadway typical sections, and calculate pavement quantities. Developed project cost summaries using HIGH ESTIMATOR PROGRAM.



ISAAC HUACUJA, E.I.T.

Weslaco, TX 78596

(956) 968-2194

CONSULTING ENGINEER

isaac@siglerwinstongreenwood.com

EDUCATION

The University of Texas Rio Grande Valley
Master of Science in Civil Engineering

Spring 2019-Present

The University of Texas Rio Grande Valley
Bachelor of Science in Civil Engineering

Texas A&M University
Agricultural and Biological Engineering

TBPE P.E. Exam PASSED 04/2018

WORK EXPERIENCE

SWG Engineering, LLC

Weslaco, Texas

Project Engineer

09/2017 – Present

Company specializes in assisting public & private entities on various engineering issues.

- Consulting Civil Engineering: Design and development of various concurrent projects concerning Water Resources, Water Treatment, Wastewater Treatment, Groundwater, Water Distribution, Wastewater Collection, Stormwater Drainage, Flood Mitigation, Agricultural Irrigation Systems, Environmental Engineering, Water Systems, Hydraulic Modeling, Pump Systems, among others.
- Procurement of Federal, State and Local Funding Agencies such as FEMA, TDEM, USBOR, USDA, TWDB, TPWD, among others.
- Assist local government and entities, ranging from Municipalities to Districts, in the successful completion of projects, from funding procurement, preliminary study and analysis, engineering design and plans, to construction management.

DHM

West Jordan, Utah

Construction Project Manager (Remote)

07/2016 – 09/2017

Company specializes in reconstruction and rehabilitation of residential properties.

- Approved projects, budgets, and bids, vetted contractors, handled draw requests, ensured contractors worked within schedule and scope, created project schedules, commissioned site inspections, maintained accountability of budget funds, and ensured the overall successful completion of several concurrent projects.
- Commonly handled 1-12 projects concurrently, with budgets between \$25K-75K. Completion rate per construction was typically between 2 to 4 months. Revised and approved dozens of budgets with a combined total of over \$2M. Maintained communications between the company, client, and contractors throughout duration of projects.

Covering America LLC

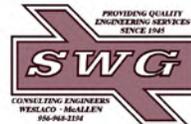
Brownsville, Texas

Concrete Construction Manager

01/2015 – 05/2017

Company specializes in concrete floors and foundations, specifically in laser screeding and industrial floor finishes.

Request for Qualifications for Professional Services for Whitecap Circle Beach Access Improvements
RFQ No. 2020-SL03



- Participate in several aspects of daily operations, such as site visits, cost estimations, proposals, bids, and management. Jobs during my employment consisted of the construction and laser leveling of +100 of concrete floors and foundations for several national retail chain clients.
- Jobsites ranged from 7,000 ft² commercial retail properties to 20,000 ft² warehouses.

SKILLS & ACCOMPLISHMENTS

- Proficient in SolidWorks, InventorPro, LabView, M. Office, Surveying, Spanish, SCUBA
- Project Engineer for ASCE-RGV's "Innovative Project of the Year 2019"
- American Society of Civil Engineers-RGV: Board Director and Treasurer

RELEVANT PROJECTS

- SWSC's 1 MG Elevated Storage Tank: Project Management
- SWSC's 10,100 LF of 12" WL: Transmission Waterline Design and Project Management
- Weslaco T-Mobile: Civil Site Grading, Paving, and Detention Pond Design
- Progreso Bridge Co. Port of Entry: Paving and Grading Design
- SWSC's WTP #2: Paving and Drainage Improvements: Project Management
- City of Port Isabel Medians: Civil Improvements Design
- City of Port Isabel Washington Park: Civil Improvements Design
- City of Harlingen C.I.S.D: Preliminary Paving and Drainage Design support
- City of Port Isabel Tarnava Street: Paving Design and Project Management
- City of Port Isabel Garcia Street: Traffic Control Design and Project Management
- NAWSC's 5,100 LF of 6" WL: Waterline Design and Project Management
- City of Los Indios Community Park: Civil Improvements Design
- DLID Canal A: 28,500 LF of Canal Conversion to 36" and 24" Pipeline Design and Management
- DLID Canal A: Procurement of \$1M US Bureau of Reclamations grant
- SWSC's WTP #1: USDA \$6M funding coordination
- SWSC's GSTs: Rehab and recoat project management
- City of Mercedes Community Center: Civil and Paving Design; Electrical, Landscaping, and Irrigation Project Management
- City of Laredo Love's Truck Stop: Feasibility analysis of water and wastewater services at remote location, including groundwater availability assessment, RO treatment, and wastewater onsite treatment and disposal
- City of Mercedes Water Well: Rehabilitation of abandoned water well; design and project management of 2.0 MGD system (35% of total water supply)
- City of Lyford Flood Mitigation: Procurement of \$750K HMGP funding and preliminary design of stormwater pump station and detention facility
- City of Mercedes Capisallo Subd. SS: preliminary design and funding procurement for ~\$2M new sanitary sewer service and lift station
- City of Mercedes Collier Pump Station: preliminary design of stormwater pump station and detention areas
- City of Mercedes Hike & Bike Trail: design and funding procurement for ~6 mile trail

CERTIFICATION and ACKNOWLEDGMENT

The undersigned affirms that they are duly authorized to submit this Proposal, that this Proposal has not been prepared in collusion with any other Respondent, and that the contents of this Proposal have not been communicated to any other Respondent prior to the official opening. To the extent this Contract is considered a Contract for goods or services subject to § 2270.002 Texas Government Code, Respondent certifies that it: i) does not boycott Israel; and ii) will not boycott Israel during the term of the Agreement.

Signed By:  Title: Environmental Specialist

Typed Name: Kendra M. Meneses Company Name: SWG Engineering, LLC

Phone No.: (956) 968-2194 Fax No.: (956) 968-8300

Email: Kendra@siglerwinstongreenwood.com

Bid Address: 611 Bill Summers Intl Blvd Weslaco TX 78596
P.O. Box or Street City State Zip

Order Address: N/A
P.O. Box or Street City State Zip

Remit Address: N/A
P.O. Box or Street City State Zip

Federal Tax ID No.: 27-0278193

DUNS No.: 02-264-8628

Date: October 5, 2020



THE HARTFORD
BUSINESS SERVICE CENTER
3600 WISEMAN BLVD
SAN ANTONIO TX 78251

October 5, 2020

City of South Padre Island
4601 PADRE BLVD
SOUTH PADRE ISLAND TX 78597

Account Information:

Policy Holder Details :	SWG ENGINEERING, LLC
--------------------------------	----------------------



Contact Us

Business Service Center

Business Hours: Monday - Friday
(7AM - 7PM Central Standard Time)

Phone: (866) 467-8730

Fax: (888) 443-6112

Email: agency.services@thehartford.com

Website: <https://business.thehartford.com>

Enclosed please find a Certificate Of Insurance for the above referenced Policyholder. Please contact us if you have any questions or concerns.

Sincerely,

Your Hartford Service Team

Green, Rubiano & Associates
Structural Engineers

Statements of Qualifications
Professional Services
for Whitecap Circle Beach Access Improvements

RFQ No. 2020-SL03



City of South Padre Island
Attn: City Secretary
4601 Padre Blvd
South Padre Island, Texas 78597

TABLE OF CONTENTS

LETTERS AND CERTIFICATIONS	PAGE NO.
LETTER OF TRANSMITTAL	1
RFQ CERTIFICATION	2
FORM 1295 CERTIFICATE OF INTERESTED PARTIES	3
SECTION A. FIRM INTRODUCTION	
FIRM INTRODUCTION	4
GRA PROJECT ORGANIZATIONAL CHART	6
SUB-CONSULTANTS RESOURCE CHART	7
SECTION B. TEAM LEADER QUALIFICATIONS	
PROFESSIONAL RESUME – ROLANDO R. RUBIANO, P.E.	8
SECTION C. SUB-CONSULTANT QUALIFICATIONS	
SURVEYING AND CIVIL CONSULTANT – JOHN CLINT, P.E.	10
ARCHITECT CONSULTANT – JOHN PEARCY, AIA	12
LANDSCAPE CONSULTANT – SCOTT PAJESKI	13
SECTION D. FIRM EXPERIENCE COMPLETED WITHIN LAST 5 YEARS	
BEACH CIRCLE DRIVE OVER	14
EK ATWOOD PARK	15
SPI MULTI-MODAL CENTER	16
SPI CONVENTION CENTRE BOARDWALK ASSESSMENT	17
SPI CAUSEWAY PEDESTRIAN BOARDWALK ASSESSMENT	18
SECTION E. & F. FIRM RECORD OF PERFORMANCE	
FIRM RECORD OF PERFORMANCE/PERFORMANCE WITHIN BUDGET	19
SECTION G. WORKLOAD CAPACITY	
FIRM WORKLOAD CAPACITY	22
SECTION H. PROPOSED APPROACH	
PROPOSED APPROACH	23
PROPOSED PARKING LOT & WALKOVER LAYOUT	26

GREEN, RUBIANO & ASSOCIATES

Structural Engineers
Firm Registration #: F-4145

1220 West Harrison
Harlingen, Texas 78550
(956) 428-4461
www.graengineering.com

LETTERS AND CERTIFICATIONS

GREEN, RUBIANO & ASSOCIATES

Structural Engineers
Firm Registration #: F-4145

1220 West Harrison
Harlingen, Texas 78550
(956) 428-4461
www.graengineering.com

October 5, 2020

Ms. Angelique Soto
City Secretary
City of South Padre Island
4601 Padre Blvd
South Padre Island, TX 78597

Re.: City of South Padre Island – Request for Statement of Qualifications 2020-SL03
Professional Services for the Whitecap Circle Beach Access Improvements

Dear Ms. Soto,

Please accept this letter as Green, Rubiano and Associates' (GRA's) statement of interest to provide professional engineering services for the design of the Whitecap Circle Beach Access Improvements as requested by the City of South Padre Island RFQ 2020-SL03.

GRA has over 39 years combined engineering experience in the Rio Grande Valley. Our firm has overseen a wide range of municipal, educational, and commercial projects in Texas. Our project experience encompasses assisting building owners with consulting services on existing facilities to providing complete structural engineering services on projects exceeding 150 million dollars in construction costs.

GRA is familiar with the unique needs of beach access projects on the City of South Padre Island. With extensive experience designing several beach access walk-overs and drive-overs for the City of South Padre Island, as well as EK Atwood Park for Cameron County Beach Access #5, GRA offers the City the experience and expertise to readily assist the City in meetings its design scope, schedule and budget for the construction of the Whitecap Circle Beach Access Improvements.

As the principal registered engineer of the firm for 20 years, I am well supported by my partner, Mr. Heriberto Cavazos, P.E., three graduate engineers and two design coordinators. Together with our technical and administrative staff, GRA has the experience to assist the City with complete project management services. Our engineers are in good standing with the Texas Board of Professional Engineers and GRA is fully knowledgeable and compliant with all federal, state and local design laws.

If you have any questions, please do not hesitate to contact me. I can be reached by phone at (956) 428-4461 or by e-mail at rubiano@graengineering.com.

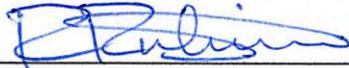
Respectfully,



Rolando R. Rubiano, P.E.
Principal

CERTIFICATION and ACKNOWLEDGMENT

The undersigned affirms that they are duly authorized to submit this Proposal, that this Proposal has not been prepared in collusion with any other Respondent, and that the contents of this Proposal have not been communicated to any other Respondent prior to the official opening. To the extent this Contract is considered a Contract for goods or services subject to § 2270.002 Texas Government Code, Respondent certifies that it: i) does not boycott Israel; and ii) will not boycott Israel during the term of the Agreement.

Signed By:  Title: Principal

Typed Name: Rolando R. Rubiano, P.E. Company Name: Green, Rubiano & Associates

Phone No.: 956-428-4461 Fax No.: N/A

Email: rrubiano@graengineering.com

Bid Address:	<u>1220 W Harrison</u>	<u>Harlingen</u>	<u>TX</u>	<u>78550</u>
	<u>P.O. Box or Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>

Order Address:	<u>1220 W Harrison</u>	<u>Harlingen</u>	<u>TX</u>	<u>78550</u>
	<u>P.O. Box or Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>

Remit Address:	<u>1220 W Harrison</u>	<u>Harlingen</u>	<u>TX</u>	<u>78550</u>
	<u>P.O. Box or Street</u>	<u>City</u>	<u>State</u>	<u>Zip</u>

Federal Tax ID No.: 74-2950532

DUNS No.: 03-614-9474

Date: 10/1/2020

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

Certificate Number:
 2020-672575

Date Filed:
 09/28/2020

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Green, Rubiano & Associates
 Harlingen, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

City of South Padre Island

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

RFQ 2020-SL03
 Professional Engineering Services for Whitecap Circle Beach Access Improvements

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Rubiano, Cynthia	Harlingen, TX United States	X	
	Cavazos, Heriberto	Harlingen, TX United States	X	
	Rubiano, Rolando	Harlingen, TX United States	X	

5 Check only if there is NO Interested Party.

6 UNSWORN DECLARATION

My name is Rolando Rubiano, and my date of birth is 07/26/1971.

My address is 518 E Woodland Dr, Harlingen, TX, 78550, USA.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Cameron County, State of Texas, on the 29 day of September, 2020.
(month) (year)

Signature of authorized agent of contracting business entity
 (Declarant)

SECTION A FIRM INTRODUCTION

Firm Introduction

Firm: Green, Rubiano and Associates, Inc.
1220 W. Harrison
Harlingen, Texas 78550
(956) 428-4461
www.graengineering.com

Type of Organization: Corporation

Contact and Principal: Rolando R. Rubiano, P.E.

Firm Established: 1983: Green & Associates
2000: Renamed Green, Rubiano & Associates

Principal: Rolando R. Rubiano, P.E.

Partner: Heriberto Cavazos, P.E.

Primary Contact: Rolando R. Rubiano, P.E.
rrubiano@graengineering.com

Texas Firm Registration Number: F-4145

Certifications: HUB Certified by the General Service Commission for the state of Texas
Texas Department of Insurance Certified Building Inspectors

Background, Organizational Description and Philosophy:

GRA has more than 39 years of combined consulting engineering experience providing design solutions and project management for new structures and evaluations of existing facilities to architects, contractors, public entities, and private industry throughout Texas. Our firm has a total of 13 full time staff members. As the principal registered engineer of the firm for 20 years, Mr. Rolando Rubiano, P.E. is well supported by his partner, Mr. Heriberto Cavazos, P.E, three graduate engineers and two design coordinators as well as technical and administrative staff. Our partners are both involved within the local community and our firm principal has been appointed to several local and state boards and is currently serving as Secretary of the Texas Board of Professional Engineers and Land Surveyors. GRA is fully knowledgeable and compliant in design with all federal, state and local design laws and ordinances.

Our office is located in Harlingen, Texas. This office location provides us the ability to quickly respond as necessary to meet the needs of the City of South Padre Island not only throughout project development and construction but as well in assisting assessing any future developments at the project site.

GRA prides itself on offering our clients exceptional and cost-effective design, providing responsive service as needed to meet the specific needs of a project's scope and expectations. Our philosophy is to always focus on the best outcome for each project and client. We recognize that close collaboration and coordination between all disciplines involved in a project is essential for the project team to work together to quickly and efficiently solve design and construction developments or concerns that may arise during a project's design and construction process.

GRA is familiar with the unique needs of beach access projects on the City of South Padre Island and the importance of designing aesthetically appealing and accessible beach access facilities utilizing eco-sensitive design, all while maximizing dune and vegetation preservation. With extensive experience designing several beach access walk-overs and drive-overs for the City of South Padre Island, as well as the recently completed EK Atwood Park for Cameron County Beach Access #5, GRA offers the experience and expertise to readily assist the City in meeting its design scope, schedule and budget for the construction of the Whitecap Circle Beach Access Improvements.

GRA Similar Projects of Interest:

City of South Padre Island Dune Drive-overs

- Starlight Beach Access Drive-over – 2006
- Beach Circle Access Drive-over – 2015
- White Sands Drive-over – in Design

City of South Padre Island Dune Walkovers

- Neptune Beach Access Walkover – 2006
- Bougainvillea Beach Access Walkover – 2008
- Surf Circle Beach Access Walkover – 2009
- Aquarius Beach Access Walkover – 2011
- Good Hope Beach Access Walkover – 2011
- Gay Dawn Beach Access Walkover – 2011

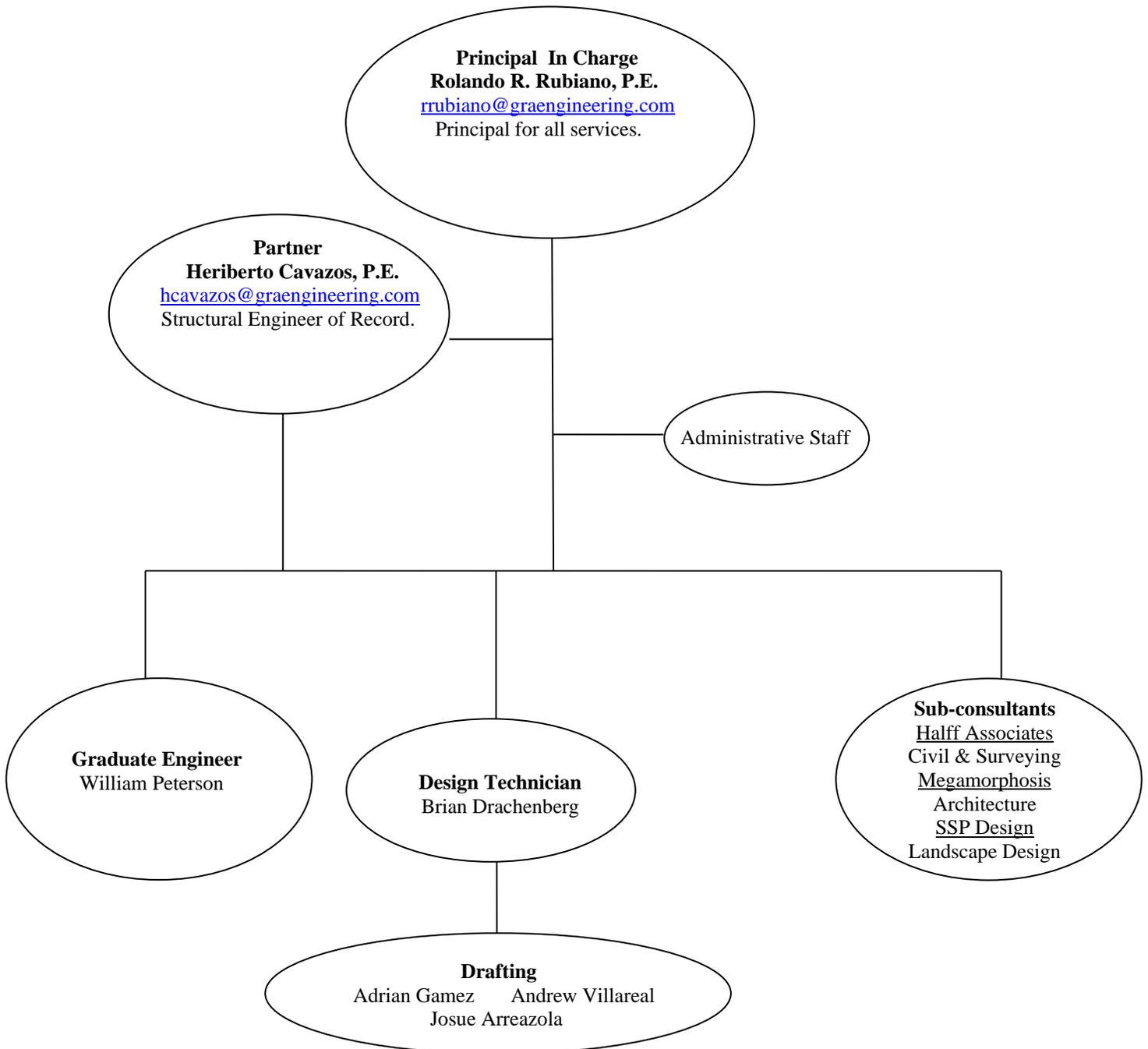
Cameron County

- Beach Access #5 - EK Atwood Park Improvements- 2019
- South Texas Eco-Tourism Center, Laguna Vista – in Construction
- Beach Access #2 – Andy Bowie Park Evaluation – Ongoing

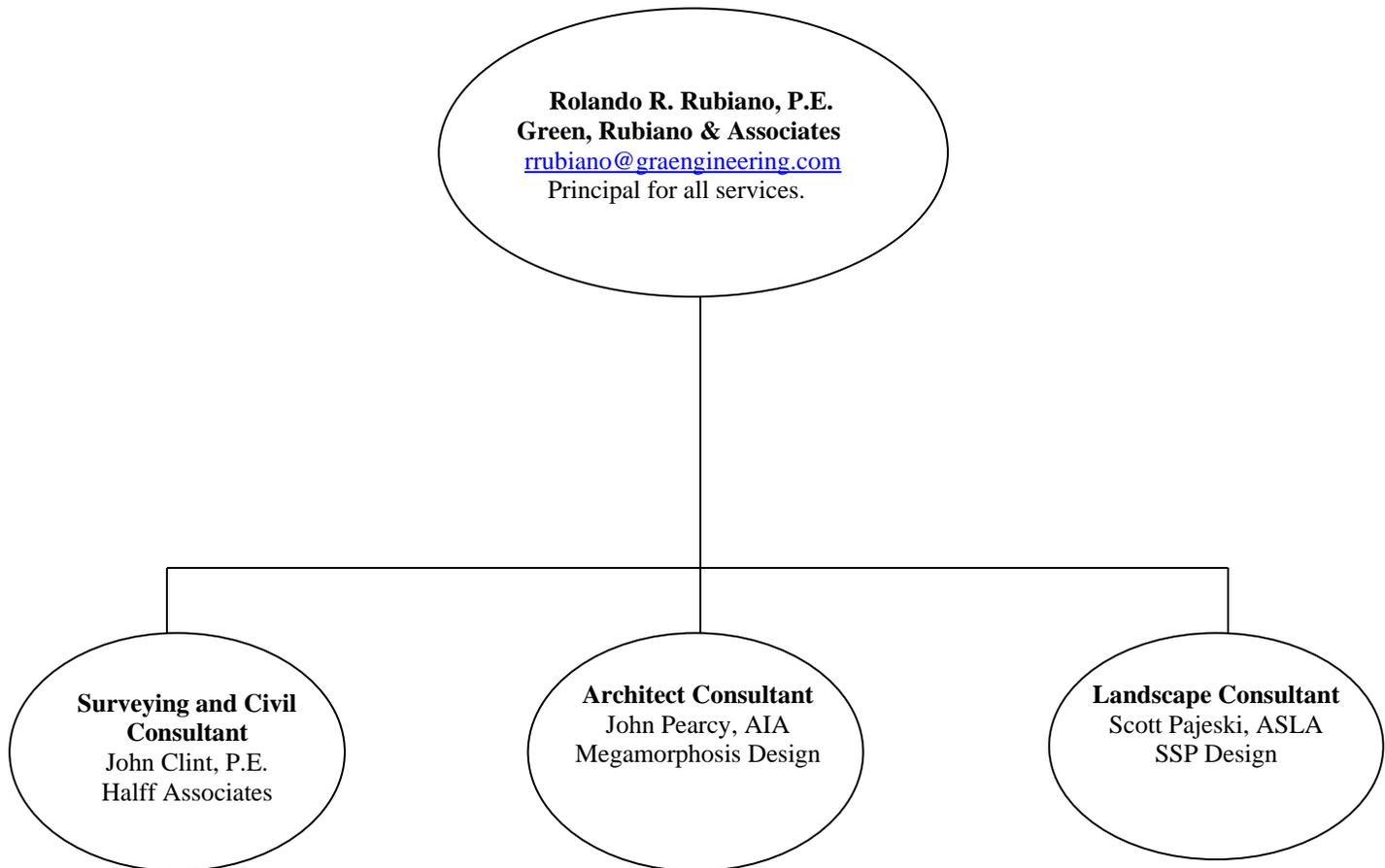
City of Brownsville

- Battlefield Hike/Bike Trail Extension – Palo Alto Battlefield National Historic Park – in Construction

GRA Project Organizational Chart



Sub-Consultants Resource Chart



SECTION B
TEAM LEADER QUALIFICATIONS

GREEN, RUBIANO & ASSOCIATES

Structural Engineers
Firm Registration #: F-4145

1220 West Harrison
Harlingen, Texas 78550
(956) 428-4461
www.graengineering.com

PROFESSIONAL RESUME

ROLANDO R. RUBIANO, P.E.

Structural Engineer
Principal

EDUCATION

Bachelor of Science in Civil Engineering - 1993
University of Texas at Austin

REGISTERED PROFESSIONAL ENGINEER

Texas – 2000
License No.: 86369 Expires 12/31/2020

REGISTERED TEXAS DEPARTMENT OF INSURANCE

Building Inspector – 2000
Forensic Investigation Working Group – 2010

LOCAL AND STATE BOARD APPOINTMENTS

Texas Board of Professional Engineers and Land Surveyors - December 2018 - September 2023
Texas Industrialized Building Code Council Member – January 2008 to January 2019
Texas Industrialized Building Code Council Chairman - January 2014 - 2017
Governor’s Commission for Disaster Recovery and Renewal – Hurricane Preparedness -2008
City of Harlingen Valley International Airport Board Member – 2016 to 2022
City of Harlingen Audit Committee – 2017- Present

EXPERIENCE AND QUALIFICATIONS

Rolando has over 25 years of experience in engineering design, construction administration, structural and forensic evaluation, and consulting. A 1993 graduate of the University of Texas at Austin with a BS in Civil Engineering, he has served as principal and owner of Green, Rubiano & Associates (GRA) since 2000. As principal of the firm, Rolando provides design, facility evaluation and project management expertise for GRA Projects. Committed to both his profession and his community, Rolando has served on many state, local, and educational boards and has recently been appointed by Governor Greg Abbott to the Texas Board of Professional Engineers and Land Surveyors and served on the State of Texas Industrialized Building Code Council from 2008-2019. He was appointed to the Governor’s Commission for Disaster Recovery and Renewal – Hurricane Preparedness in 2008. Fully versed with coastal design criteria and building requirements, he assisted in the development of guidelines and procedures in the Texas Department of Insurance (TDI) Qualified Inspector Program while appointed to the TDI Forensic Working Group. Rolando is a registered TDI Windstorm Inspector.



EXPERIENCE WITH SIMILAR PROJECTS

Rolando has extensive experience working with projects within the City of South Padre Island from evaluations and assessments to design and contract administration of projects including several of the City of South Padre Island beach access walk-overs and drive-overs, Cameron County's EK Atwood Park and other public and private building projects.

As principal of the firm, Rolando has supervised the following South Padre Island GRA-led project teams for the design, permitting and construction administration of the following similar projects:

City of South Padre Island Dune Drive-overs

- Starlight Beach Access Drive-over – 2006
- Beach Circle Access Drive-over – 2015
- White Sands Access Drive-over – in Design

City of South Padre Island Dune Walkovers

- Neptune Beach Access Walkover – 2006
- Bougainvillea Beach Access Walkover – 2008
- Surf Circle Beach Access Walkover – 2009
- Aquarius Beach Access Walkover – 2011
- Good Hope Beach Access Walkover – 2011
- Gay Dawn Beach Access Walkover – 2011

Cameron County

- County Park Access #5 - E.K. Atwood Park Improvements- 2019
- County Park Access #2 – Andy Bowie Park Evaluation for Park Improvements – Ongoing

The Gay Dawn Walk-over and EK Atwood Park projects are most similar in scope to the proposed Whitecap Circle Project. Aspects of these two projects to be utilized in the Whitecap Circle Beach Access Improvements design include permeable paving with integral color to delineate parking spots and reduce ongoing maintenance costs, wooden elevated walkways and restrooms to mitigate dune and vegetation disturbance as well as shower stations with multi-person access.

TECHNICAL PRESENTATIONS

Slab on Grade Construction: Merging Traditional Practices with Written Standards

ACI South Texas Chapter – May 7, 2019

Requirements of Windstorm Compliance: TDI Windstorm Inspection Program

AIA-LRGV Building Communities Conference South Padre Island September 30, 2016

Associates General Contractors RGV Chapter December 2, 2015

EMPLOYMENT

June 2000 – Present Green, Rubiano & Associates – Structural Engineers, Harlingen, Texas
June 1999 - May 2000 Green & Associates – Structural Engineers – Harlingen, Texas
June 1993 – June 1999 Celanese Chemicals – Bay City, Texas

SECTION C
SUB-CONSULTANT QUALIFICATIONS

JOHN W. CLINT, PE
HALFF ASSOCIATES, INC.

Bachelor of Science/Civil Engineering

University of Texas – San Antonio (1994)

Licenses and Registrations

Licensed Professional Engineer State of Texas - No. 85417 (1999) (exp. June 30, 2021)

Mr. Clint has more 25 years of experience in the water and wastewater planning and design, storm drainage and roadway design, water distribution system modeling, masterplan development, civil site design and construction management. He also has experience in geotechnical investigations, construction materials testing engineering and construction inspection.

He has extensive experience with local, state and federal funding and regulatory agencies. Mr. Clint has effectively served as a Project Engineer, Project Manager, Senior Project Manager and Principal Engineer in the preparation of plans, specifications and engineering estimates for various types of public infrastructure projects. Mr. Clint has successfully overseen the planning, design and construction of more than 180 miles of water and sanitary sewer utilities, 50 pump stations, 70+ miles of roadways, and many other public and private improvement projects.

Mr. Clint has assisted numerous local entities in successfully obtaining nearly \$100 million in grant funds from the Texas Water Development Board, US Bureau of Reclamation, US Economic Development Agency, USDA-Rural Development, Texas Department Rural Affairs (formerly ORCA and TDHCA), CoBank, and the Border Environmental Conservation Commission to improve utility services to approximately 30,000 residences throughout the Lower Rio Grande Valley.

Streets and Drainage

- **City of Brownsville - West Brownsville Storm Sewer Treatment Improvements.** Served as the Principal Engineer and Project Manager for the design and construction administration of two storm sewer treatment improvement projects. Each project included water quality treatment units for treating storm water runoff, from approximately 150-acres in West Brownsville, prior to discharging into a federally managed refuge. Project included re-routing and upgrading of existing storm sewer systems, construction of two 75cfs pump stations with alternative power, installation of storm water treatment systems, coordination efforts with USFWS to secure approval to discharge treated storm water into wildlife refuge. (2011)
- **City of Brownsville - Four Corners Detention Pond.** Principal Engineer and Project Manager for the design and construction management for a 12-acre storm water detention pond located adjacent to the North Main Drain. The detention pond provided approximately 100-acre feet of storm water storage for the Four Corners area of Brownsville during flood events. (2013)

- **City of Brownsville - Resaca Culvert Improvements.** Principal Engineer and Project Manager - Provided engineering design and construction phase services for eight Resaca culvert crossings along the Resaca de Guerra. Inadequately sized and outdated culverts caused flow restrictions at several Resaca/street crossings. All crossing were reconstructed with larger box culverts to improve storm water flow and reduce flooding. (2013)

- **City of Brownsville - CIP Street Program.** Served as the Project Manager for multiple annual projects for the reconstruction of approximately 18 miles of residential and collector streets. Project included the design of utility, drainage and street improvements for the City of Brownsville Bond and CDBG programs. (2010)

- **Town of Rancho Viejo - Street Improvements.** Project Manager for the engineering design and construction management for the reconstruction of roughly 18 miles of residential streets in the Town of Rancho Viejo, Texas. (2019)

- **City of Brownsville - Brownsville/South Padre Island International Airport Terminal.** Project Engineer for the civil site design and local Project Manager of a new 97,000 square foot, \$48 million airport passenger terminal building for the City of Brownsville. To have minimal impact on air travelers and federal Port of Entry services, the construction was divided into three phases of paving and drainage improvements, utility services and relocations, coordination with Local, State and Federal entities. (2019)

- **Brownsville PUB - Cemetery Resaca Bank Stabilization.** Principal Engineer and Project Manager for the engineering design and construction administration for edge treatments along the Cemetery Resaca banks. The project utilized various innovative bank stabilization methods to prevent future erosion, improve water quality from stormwater runoff and restore wildlife habitat. (2018)



John R. Percy, AIA, LEED-AP

Title:

Principal

Role:

Principal
Project Architect
Project Manager

Education:

Bachelor of Environmental Design
Texas A & M University 1998

Registrations:

Registered Architect
State of Texas #19005
Expires 1-31-2021

LEED AP, GBCI # 10458145

Professional Affiliations:

American Institute of Architects
Texas Society of Architects
Member US Green Building Council
LRGV-AIA, Executive Committee
St. Alban's Episcopal School Board
Vice-President

Harlingen Humane Society Board
Member

Harlingen Downtown Improvement
District Board Member

John has significant experience as a lead Architect and project manager for a large variety of building types. Prior to joining Megamorphosis he worked with two award-winning South Texas architectural firms. John joined Megamorphosis in 2006 and became a partner in 2008. John achieved his LEED AP Certification in 2009.

His focus is developing thoughtful, unique, region-based designs that respond to the physical and economic climate. From schematic design to project closeout, his eye for detail and pragmatism is instrumental in the successful completion of projects large and small. As manager of design and production, he is able to implement his technical expertise to the benefit of our clients, a benefit that continues through the construction process.

John is adept at innovative design solutions and maintaining project budgets. In addition to raising the level of design, he is competent and knowledgeable in code compliance and accessibility issues. As a principal of the firm, John is involved in all aspects of Megamorphosis projects, from project development, client relations, and project management.

Notable Projects Include:

- Cameron County South Texas Eco-Tourism Center, Laguna Vista, Texas
- La Feria Unger Park, La Feria, Texas
- La Feria Nature Center, La Feria, Texas
- HCISD Performing Arts Center, Harlingen, Texas
- The Reese: 73,000 sf. Renovation, Harlingen, Texas
- La Feria Technology and Success Center, La Feria, Texas
- Ballenger Corporate Offices, Harlingen, Texas
- Harlingen Fire Station, Harlingen, Texas
- La Feria Fire Station Addition, La Feria, Texas
- La Feria City Hall Addition, La Feria, Texas
- HCISD Ag - Farm, Harlingen, Texas
- Harlingen Municipal Auditorium Renovations, Harlingen, Texas
- HCISD Jefferson Elementary, Harlingen, Texas
- Harlingen Soccer Complex, Harlingen, Texas
- HCISD Vernon Middle School, Harlingen, Texas
- Harlingen Arts & Heritage Museum Renovations, Harlingen, Texas
- Cameron County Animal Shelter, San Benito, Texas
- FEMA Domes, La Feria, Texas
- Heavin Park Amphitheatre, San Benito, Texas
- La Feria Public Library Renovations, La Feria, Texas
- St. Anthony Parish Community Center, Harlingen, Texas



S. Scott Pajeski, ASLA

Director

Education

Texas A&M University, College of Architecture and Environmental Design, College Station – B.S. Landscape Architecture
Italart Design Program, Florence, Italy

Experience & Qualifications

During the past thirty-two years, Scott has worked professionally as a resident in more than seven countries and has participated in projects in more than twenty countries worldwide. Projects have included some of the world's largest infrastructure developments as well as exclusive resort, residential, commercial, open space and parks master plans. Design, documentation, and administration have been accomplished working with both local and international multi-disciplinary teams.

Scott has worked with several internationally renown design firms including Belt Collins & Associates in Hawaii, M&SF in Finland, and EDAW Inc. in Australia. He has been consulting privately as SSP for over twenty years in the US and has designed and implemented projects in Texas, Louisiana, Florida, Hawaii, New York, and Massachusetts.

Scott has extensive experience in master planning and landscape design including two years in Australia participating in the master planning and design documentation of Millennium Park for the 2000 Olympic Games in Sydney. Other significant international projects include; design and documentation of the Robina Town Center, an exclusive retail development including extensive landscape and water features; Mango Hill New Town, a 4,000 acre master planned community including a town center, residential, commercial and a business park; and the master planning of the Taiwan National Botanical Gardens, a 500 acre botanical garden project for the Federal Government of Taiwan.

Scott has been consulting in South Texas for more than twenty years and has worked on several large-scale commercial, municipal and residential projects for the University of Texas, South Texas College, the City of Brownsville, the City of McAllen and several local architects, engineers and developers. Local project experience includes:

- ❑ **Cameron County EK Atwood Park**– Landscape planning, detail design and dune restoration for a park renovation on South Padre Island
- ❑ **City of South Padre Island Gulf Boulevard**– Landscape planning, detail design for streetscape renovation project on Gulf Boulevard
- ❑ **Valley International Airport** – Landscape master planning, detail design for phased landscape improvements
- ❑ **Brownsville/SPI International Airport** – Master planning and terminal improvements (2001) and new terminal design (2018)
- ❑ **La Placita** – A contemporary shopping plaza across from La Plaza Mall in McAllen
- ❑ **Bert Ogden Arena** – A new arena in Edinburg on SH 281
- ❑ **Edinburg Conference Center at Renaissance** – A new conference center facility in Edinburg
- ❑ **Art Village at Main** – A boutique commercial center on Main/Hackberry in McAllen
- ❑ **Bass Pro Shop** – The RGV's Bass Pro Shop and commercial development in Harlingen
- ❑ **City of McAllen Quinta Mazatlan** – A meadow and amphitheater project within Quinta Mazatlan
- ❑ **City of McAllen Intermodal Transit Terminal** – An intermodal transit terminal on Bus. 83
- ❑ **RGV Premium Outlets** – The premium outlet development in Mercedes
- ❑ **Brownsville Event Center** – A multi-use event center at Paseo de la Resaca in Brownsville
- ❑ **UTRGV Edinburg** – Engineering Building, School of Medicine, Science Building, Student Services Tower
- ❑ **UTRGV Brownsville** – Landscape Master Plan, BINAB Bldg, MLSC, REK Center, Library, School of Education and Business, Arts Center, STLC
- ❑ **UTRGV Harlingen (RAHC)** – Landscape Master Plan and site improvements for the RAHC in Harlingen
- ❑ **South Texas College** – Starr County and Mid-Valley Campus Landscape Master Plans, Pecan Campus Memorial Garden

SECTION D
FIRM EXPERIENCE
COMPLETED WITHIN LAST 5 YEARS

Firm Experience *Completed Projects within Last 5 Years*

SPI Beach Circle Drive Over – 2015



Description:

The Beach Circle drive-over project consisted of an elevated concrete structure over natural dunes for public pedestrian and emergency and maintenance vehicular access at Beach Access #4. The concrete structure was designed to provide an emergency vehicle access to the beach with a minimum 12 feet clear width and adjacent pedestrian walkway ramp with stainless steel railings. The drive-over and walkway were designed to meet Texas Accessibility Standards from the parking area of the public beach access to the surface of the beach.

Team Leader: Rolando R. Rubiano, P.E., Green, Rubiano & Associates

Role of firm: GRA served as Prime consultant for the project team.

Cost of Construction: \$268,894.00

Year: 2015

Agency contact name and phone: City of South Padre Island, 956-761-8110

Applicability of project:

The Beach Circle drive-over is similar in scope of work to the proposed White Sands drive-over project. Design of the Beach Circle Drive-over included an accessible pedestrian ramp with railing and emergency vehicle drive-over with all necessary permits. GRA worked with the City and project team to meet the design scope and schedule set by the City and the project was completed \$7,000.00 under budget.

E.K. Atwood Park – 2019



Description:

This park improvement project was commissioned by Cameron County to revitalize the existing E.K. Atwood Park on South Padre Island. These facilities had been previously closed to the public due to safety concerns with deterioration of the park’s pavilion structure. Green, Rubiano & Associates performed a structural evaluation of the facility and assisted the Cameron County Parks System with the project management of the design and construction of the new improvements. Demolition of the existing pavilion was completed to allow construction of a new elevated boardwalk plaza with five covered pavilions, two open-air restroom facilities and a large rinse station water feature. The improvements also include two walkover structures that allow access from the plaza to the public beach, as well as stairs and ramps to the new parking lot constructed from a low impact permeable paving system.

Team Leader: Heriberto Cavazos, P.E., Green, Rubiano & Associates

Role of firm: GRA served as Prime consultant for the project team.

Cost of Construction: \$3,493,486.50

Year: 2019

Agency contact name and phone: Joe Vega, Parks Director, Cameron County, 956-761-3700

Applicability of project:

GRA worked closely with the County to meet the desired design scope, schedule and funding considerations for the park. GRA was prime consultant for the project and managed the sub-consultant team for the architectural design details, the surveying and civil design, as well as obtaining the appropriate permitting as required from the GLO. The EK Atwood project also included extensive development of permeable parking surfaces and installation of outdoor lighting designed to minimize light pollution impact to the northern end of the island. The project was completed \$77, 000 under budget.

SPI Multi-modal Center – 2019



Description:

The SPI Multi-modal Center project is a two-story administrative office and public building designed to provide public parking and access to the free public transportation, the Wave. The center also provides City staff with administrative office space to manage the public transportation system that extends from South Padre Island to Port Isabel.

Team Leader: Juan Mujica, Gignac and Associates

Role of firm: GRA served as structural engineering consultant for structural design and construction administration.

Cost of Construction: \$4,450,000.00

Year: 2019

Agency contact name and phone: City of South Padre Island, 956-761-8110

Applicability of project:

This project was constructed for the City of South Padre Island with our firm serving as the structural engineering sub-consultants and demonstrates GRA's commitment to projects and public dollars invested on South Padre Island. On a project that extended over multiple years, GRA was responsive to the changes in design scope and budget as desired by the City Administration and worked with the project team to ensure the structural design and construction administration met the expectations of the City. GRA worked closely with the contractor and the architect in maintaining the project budget, schedule and quality of construction.

SPI Convention Centre Boardwalk Structural Re-Evaluation – 2019



Description:

The City of South Padre Island requested GRA provide engineering services to conduct a visual observation and evaluation of the existing Convention Centre boardwalk. The structural observation was requested due to budgeting preparations and a need to update the GRA Engineering structural assessment report from June 2014. The boardwalk had sections of loose guardrail, warped and splintered boards, and timber piles showing various signs of deterioration.

GRA's services included field personnel to update the record base plan of the existing wood structure, conduct visual observations of the accessible framing members and connections, and issue a findings report. The findings report identified the structural condition of the walkway structure and provided an opinion of the cost required to repair or replace sections of the boardwalk that were found out of compliance with their intended service.

Team Leader: Rolando R. Rubiano, P.E., Green, Rubiano & Associates

Role of firm: GRA served as Prime consultants on the project.

Assessment Fee: \$5,580.00

Year: 2019

Agency contact name and phone: SPI Convention Centre, 956-761-3000

Applicability of project:

GRA responded to the City's request for a re-assessment and update of GRA's structural inspection report of June 2014. GRA provided repair recommendations and cost estimates for repairs to meet the City's need for budgeting information for the next budget cycle.

Queen Isabella Causeway Pedestrian Walkway Evaluation – 2015



Description:

The Queen Isabella Causeway pedestrian walkway was showing varying degrees of damage at the mean water level to existing timber piles. The City of South Padre Island had closed the walkway to the public and requested GRA perform an inspection and evaluation. GRA provided a phased approach to the inspection and evaluation of the pedestrian walkway. The phased approach consisted of a Level I inspection of the overall walkway structure and report providing initial findings and evaluation. A Level II inspection of the timber and steel pilings followed to further identify the condition assessment grade of each pile. As required due to Level II inspection findings, load capacity determination for individual piles were calculated. The inspection and evaluation concluded with a written report and presentation to the City identifying the structural condition of the wood structure and load capacity of the individual piles and recommendations for repairs.

Team Leader: Rolando, R. Rubiano, P.E. Green, Rubiano & Associates

Role of firm: GRA served as Prime consultants on the project.

Assessment Fee: \$12,266

Year: 2014

Agency contact name and phone: City of South Padre Island, 956-761-8110

Applicability of project:

Due to our local office presence, we were able to adapt to changing weather conditions affecting the inspection schedule to adjust the timing of the multiple site inspections of the pedestrian walk-way structural components with the weather and low tide forecast.

SECTION E & F

FIRM RECORD OF PERFORMANCE

Record of Firm Performance ***Record of Performance within Budget***

Our philosophy is to focus on the best outcome for each project and client. As such, we respond and adapt the project's design as the client's priorities may shift throughout the project, either in reduction or expansion of scope and budget. We are always considering the long-term impact different design and material options may have in upfront costs versus annualized maintenance costs and how these items can best be utilized to fit the desired goals of the client.

EK Atwood Park - 2019

No. Change orders: 29

Approved Project Budget: \$3,850,000.00

Bid-ranges: \$3,570,794.00 to \$4,544,213.00

Project Contract: \$3,570,794.00

Final cost: \$3,493,486.50

Under contract budget: \$77,307.50

Summary of measures to ensure project remained in budget (including any innovative cost saving solutions) and firm responsiveness during construction and life of project:

As the project scope for EK Atwood Park developed, the original proposed scope and budget was expanded to accommodate the desires of the County to offer additional amenities for public use. Throughout the design and construction of the project, there were several design decisions and innovative solutions which aimed to reduce costs while keeping the priorities of offering both practical and aesthetically pleasing public amenities. GRA remained in close communication with the County and team members throughout the progression of the project and the EK Atwood Park was completed \$77,307.50 under the construction contract budget.

EK Atwood parking installation: the use of permeable pavement brought both a project cost savings to the owner and a lower environmental impact that was well received by the GLO.

EK Atwood Restroom facilities: the restroom facilities were designed with finishes that require little to no maintenance and ease of cleaning for on-going upkeep. The open-roof design also brought cost savings to the project by avoiding cost of mechanical ventilation, roofing framing and roofing costs all while addressing the desired beach aesthetic by using tensile-stressed fabric canopies.

Dune re-nourishment was strongly affected by storms in October/November of 2018. GRA staff worked with County staff and the GLO to bring in outside resources from UTRGV for the redevelopment of the dunes and integrated coastal studies with real world applications while reducing the impact of the storm on the project budget.

Beach Circle Drive-Over-2015

No. Change orders: 1

Approved Project Budget: \$300,000.00

Bid-ranges: \$276,059.00 to \$491,196.00

Project Contract: \$276,059.00

Final cost: \$268,894.00

Under contract budget: \$7,165.00

Summary of measures to ensure project remained in budget including any innovative cost saving solutions) and firm responsiveness during construction and life of project:

GRA utilized surveying and proper project management to limit the size and scope of the drive-over structure in order to reduce initial costs. The project was completed \$7,165.00 under contract budget. Materials specifications of both concrete mix and stainless-steel specifications coupled with quality control throughout construction has led to minimal on-going maintenance and operations cost of this drive-over project.

Good Hope and Aquarius Walk-Overs -2011

No. Change orders: 1

Approved Project Budget: \$296,000.00

Bid-ranges: \$243,000.00 to \$326,277.00

Project Contract: \$243,000.00

Final Cost: \$243,000.00

Summary of measures to ensure project remained in budget including any innovative cost saving solutions) and firm responsiveness during construction and life of project:

The costs of construction for the Aquarius and Good Hope walk-overs remained in budget. As with all the dune walkovers GRA designed, these dune walk-over concepts were based on the value of prioritizing initial investment in consideration of longevity of materials. The composite decking was selected for the decking design to allow both a pedestrian comfort of use as well as limiting ongoing maintenance cost of operation to the city.

For the Aquarius walk-over, the existing parking pavement was assessed, and the pavement condition was considered adequate to remain in use as a cost savings to the project.

For the Good Hope walk-over, the pavement installation innovatively used lighter colored pavers to designate the parking spaces and to develop handicap insignias. This creates both an aesthetically pleasing design and lower future maintenance costs by eliminating the need for repainting of parking lane stripes and handicap insignias.

Gay Dawn Beach Walk-Over 2011

No. Change orders: 1 (additional scope requested)

Approved Project Budget: \$220,000.00

Bid-ranges: \$136,096.00 to \$181,500.00

Project Contract: \$136,096.00

Change Order Cost: \$29,749.10

Final Cost : \$164,345.10

Summary of measures to ensure project remained in budget including any innovative cost saving solutions) and firm responsiveness during construction and life of project:

Before bidding of this project, City administration expressed a desire to curtail costs from the original \$220,000 budget estimates as priorities were shifting during design development. We worked with the City to do so, eliminating the original design of a bulkhead to reduce costs before bidding and the City accepted the lowest construction bid of \$136,096.00, well below the initial budget for the project. As the project progressed and expenses were clearly staying within the contracted amount, the client took the opportunity to look again at value added design options to install a bulkhead. Through close communication and discussion with the client, it was decided the City could best maximize additional dollars spent by adding back in the design of the bulkhead which would assist in dune formation as well as provide long term maintenance reduction for City staff by reducing sand creep onto the sidewalks and parking areas. The original contract amount plus the change order remained \$35,000.00 under the original estimated budget of \$220,000.00.

White Sands Beach Drive-Over – Currently in Design

Summary of firm responsiveness during design of project:

The White Sands Beach Access is a unique beach access in its physical constraints of having an exceptionally narrow beach width. GRA has worked with City staff throughout the White Sands Beach Drive-over site design process, including site visits to walk the site with city staff to physically mark and identify proposed construction layouts, to better assist with the perspective and understanding of proposed limits of development at the site in reference to the vegetation lines and high tide lines. To address a dynamic dune and vegetation line further challenged at this site by the recent tropical storms and their impact to proposed site layouts, our team has provided continued efforts in producing multiple field surveys and site layouts to assist in meeting regulatory requirements of the GLO while also meeting the needs of public access. GRA has also worked with City staff to mitigate impact to the project schedule brought about due to the current pandemic, the extended GLO engagements with the design, as well as the necessary design changes to keep within dune and vegetation preservation regulatory parameters due to the physical changes at the site caused by Hurricane Hanna.

SECTION G
WORKLOAD CAPACITY

Workload Capacity

At GRA, we continually manage concurrent multiple projects, both as prime consultants and as sub-consultants to other team members. We consistently meet individual project schedule milestones. Many of our projects have school calendar impacts that require completion by a set schedule without exception. GRA is accustomed to establishing project schedules, managing toward milestones and achieving the expected schedule. Many projects may have funding requirements tied to a completion schedule and GRA drives projects to meet those schedule requirements. The SPI Aquarius and Good Hope Dune walk-overs are examples: both walk-overs were initially scheduled for a substantial completion date of October 2011 and both were accepted as substantially complete in October of 2011. From the time GRA received authorization to proceed with design to the time substantial completion was achieved, the project was completed in 10 months.

GRA has two licensed partners in our Harlingen office, Rolando Rubiano, P.E. and Heriberto Cavazos, P.E., including one with a residence on South Padre Island. Our local proximity to the City allows our office to respond quickly to the needs of the City at moment's notice. Mr. Rubiano and Mr. Cavazos often share the lead to best meet clients' needs and both would adjust the team as necessary to any personnel changes within the firm. Our firm currently has on-going projects on South Padre Island with both the City and Cameron County, as well as the County's South Texas Eco-Tourism project in Laguna Vista, all of which generate a regular presence of our firm in the area.

Three project managers, 3 graduate engineers and 4 draftsmen plus administrative personnel are available to be assigned to the Whitecap Circle project. Upon initiation of the project, GRA will offer the City a project manager from our firm as well as a project manager from each of our sub-consultants (Megamorphosis Design, Halff Associates and SSP Design) that will have the authority within each firm to bring the dedicated resources the project needs throughout its various stages of development.

GRA's project managers all have experience working on City of South Padre Island projects. Our office culture is one that clearly identifies that all projects within the firm are part of the GRA portfolio and not limited to specific individuals. Both Rolando Rubiano, P.E. and Heriberto Cavazos, P.E., have the authority to assign technical staff and administrative personnel depending on the project's technical needs. Within the office, access to project documents, meeting minutes and construction document photos are shared on servers that are available to all personnel within the office. GRA's in-office collaborative approach to projects will safeguard the ability of the firm to properly adjust as needed if any unforeseen changes in key personnel occur. GRA will continue to provide the City our comprehensive client service and project management support to ensure the City's project will maintain its intended scope, schedule, and budget.

SECTION H
PROPOSED WORK

Approach to Project

GRA will be the project’s lead design firm for the proposed Whitecap Circle Beach Access Improvements project team. Halff Associates will be brought in as sub-consultants to provide the civil and surveying design disciplines, Megamorphosis Design will provide architectural consulting and SSP Design will provide landscape consulting. GRA and our sub-consultants have a long history of working together, both on South Padre Island and throughout the Rio Grande Valley. Our shared team experience leverages brainstorming of various design approaches for the benefit of the project schedule and overall scope development.

Sub-consultant work will be approximately 40% of the total work. GRA will manage the remaining percentage of work in overall site layout, site parking, structural design, and project management. Geotechnical engineers will need to be brought on board by the City and GRA is available to assist as desired by the City in the selection of the geotechnical engineer.

GRA operates a very “hands-on” approach to our projects. The licensed engineer assigned as project manager will be involved throughout the project development and design, installation of the work, the management and administration of the contracts and will be available to the City for regular updates. This approach allows us to keep the City informed of relevant updates and anticipate the project’s needs. Our hands-on approach will keep the project’s progression on schedule and deliver the proper solutions to any issues that may arise.

GRA strongly believes open and full communication is best for the complete understanding of an owner’s expectations and successful progress of the project. Our office location allows us the ability to quickly respond as necessary to meet the needs of the City throughout the project. We frequently utilize technology to the advantage of a project’s needs. GRA’s use of technology allows key technical personnel to stay in contact with the client and contractor using on-site video calls and remote access meetings. While on the project site, GRA maintains complete remote access to the project’s contract documents, contractor produced submittals and RFIs, and the various project communications. We have found the ability to have remote access to project contract documents a great advantage to our projects’ success.

Whitecap Circle Beach Access Improvements Dune Considerations and Proposed Design

The Whitecap Circle Beach Access consists of established dunes with mature vegetation. To limit disturbance of the existing dunes, we propose an elevated walkway structure which will include the restroom and shower facilities, similar to the EK Atwood Park facilities (see page 26 Whitecap Circle Beach Access Proposed Parking Lot & Walkover Layout). This design will allow for 32 parking spaces while incorporating a coastal architectural aesthetic to the restroom building. The restrooms can be built using light commercial wood framing and supported on the walk-over primary framing to alleviate congestion west of the GLO development line. This design will bring an ease of maintenance to the facility as well as managing durability requirements of a public restroom.

The design will incorporate long span engineered lumber, allowing construction equipment to work from the developed parking lot and from the flat beachside, driving pilings through vegetation with minimal disruption to the natural dune line and mature vegetation. For the parking lot, we would recommend using permeable pavers with integral colors. The colored pavers can be used to delineate parking stripes which offers both an enhanced aesthetic and reduced maintenance cost.

Conceptual Design, Preliminary Design and Final Design Phases

GRA can quickly mobilize our team to begin work on the Whitecap Circle Beach Access Improvement project design. The collaborative effort put forth on the current White Sands project allows our team to move quickly through scope confirmation and jump into design development efforts. The first objective will be to obtain a property boundary survey. With the scope presented in the RFQ and our proposed layout we can quickly enter the design phase and begin to discuss optional layouts with City staff to refine the site layout to meet the project scope, budget and schedule expectations.

GRA will produce an overall project budget based on the understood scope of work for City approval. Upon receiving the City's approval, we will open communications with regulatory agencies for permitting approval. While GLO permitting efforts are underway, GRA will continue with the design development phase. Design development drawings and narratives will continue to be submitted to City staff for interim review, input and approval. With City staff input on the design development phase, the project can either go into further design development to flush out additional ideas or go straight into production of construction documents.

In the construction document phase, several milestones will be established in order to provide the multiple City departments an avenue for input prior to completion of the bid documents.

Bid Preparation & Evaluation

With staff's input throughout the various milestones of construction document development, the project will be delivered to the City for bidding and final GLO permitting. GRA will be available to meet with City staff and interested bidders in a pre-bid meeting and respond to any bid RFIs. Upon receipt of bids, GRA will be available to the City to assist with the evaluation of bids.

Construction

GRA's construction administration will include attending weekly site visits and managing monthly scheduled progress meetings to assist the contractor with a timely completion of a high-quality construction project. Key milestones in construction will be communicated to the GLO for their continued engagement and to facilitate final project acceptance.

Project Schedule

Proposed project schedule will vary based on the City’s input and funding considerations. A project based on the scope of work presented within the Whitecap Circle RFQ will typically require 12 to 14 months from scope development to completion of construction. Scope development, design work and regulatory agency review should be scheduled for a 3 to 5 month duration depending on the complexity of the identified scope. Bidding, contract execution and contractor mobilization can typically be managed within a duration period of 45 to 60 days. The anticipated construction duration is expected to last for a period of 5 to 6 months. To maintain schedule, we recommend engaging the GLO early in the design process. The dynamics of dune and vegetation lines at the site due to seasonal storms have the potential to necessitate design changes to remain within dune and vegetation preservation parameters set by the GLO and may affect schedule considerations.



GREEN, RUBIANO & ASSOCIATES
 CONSULTING STRUCTURAL ENGINEERS
 1220 WEST HARRISON
 HARLINGEN, TEXAS 78550
 PH: (956)428-4461 FAX: (956)428-0287
 FIRM REGISTRATION #F-4145

SEAL

PROJECT

**WALKOVER
 AT WHITECAP CIRCLE**

**SOUTH PADRE ISLAND,
 TEXAS**

CLIENT

**CITY OF
 SOUTH PADRE ISLAND**

**SOUTH PADRE ISLAND,
 TEXAS**
 P: 956-761-3044
 F: 956-761-3898



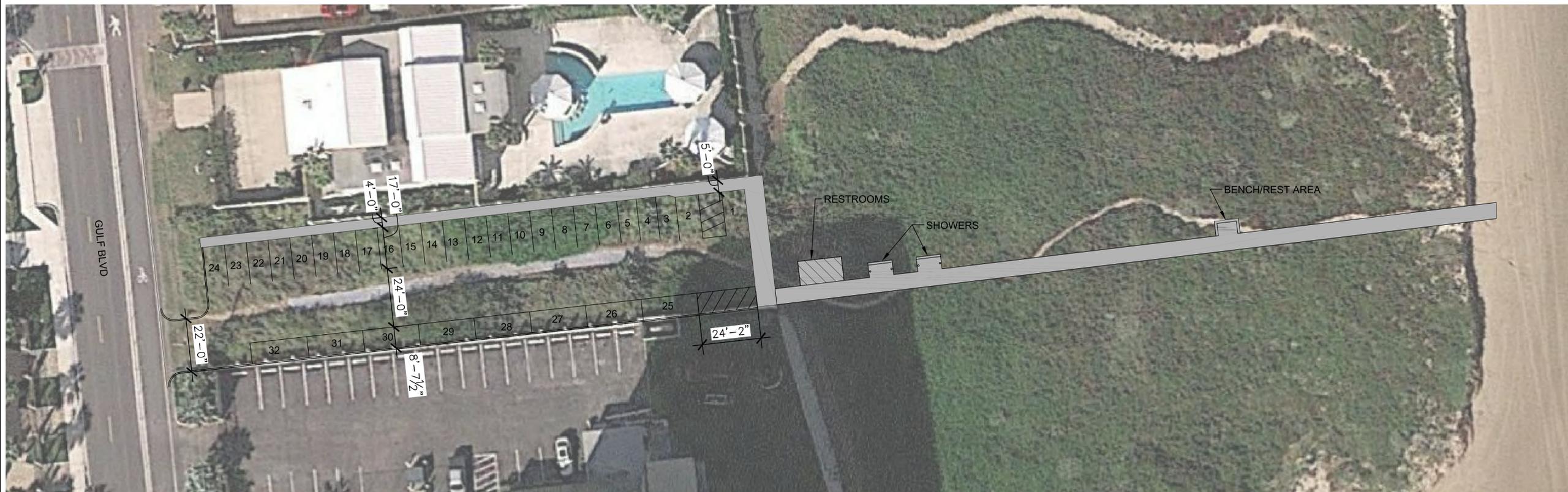
MARK	DATE	DESCRIPTION

PROJECT NO.	1065-16
DATE	10-01-2020
DRAWN BY	JA
CHECKED BY	BD
SCALE	AS SHOWN
SHEET TITLE	

SHEET NO.

SKO

PRELIMINARY
 THIS DOCUMENT IS RELEASED FOR THE PURPOSE
 OF INTERIM REVIEW UNDER THE AUTHORITY OF
 ROLANDO R. RUBIANO, P.E., 86369. IT IS
 NOT TO BE USED FOR CONSTRUCTION, BIDDING,
 OR PERMIT PURPOSES.



1 **WHITECAP CIRCLE BEACH ACCESS
 PROPOSED PARKING LOT & WALKOVER LAYOUT**
 N.T.S



PLAN NORTH

Copyright 2019 by GREEN, RUBIANO & ASSOCIATES 131

CITY OF SOUTH PADRE ISLAND

RFQ NO. 2020-SL03
PROFESSIONAL SERVICES FOR WHITECAP
CIRCLE BEACH ACCESS IMPROVEMNETS

CAMERON COUNTY ISLA BLANCA PARK, SOUTH PADRE ISLAND, TEXAS

OCTOBER 6, 2020
SUBMITTED BY:



“While working with Gignac Architects, the design team has been very knowledgeable ... The team works closely with its clients and has been very knowledgeable about design. We recommend them for other city projects as well.”

Manuel “Sonny” Mello

City of Eagle Pass

CERTIFICATION and ACKNOWLEDGMENT

The undersigned affirms that they are duly authorized to submit this Proposal, that this Proposal has not been prepared in collusion with any other Respondent, and that the contents of this Proposal have not been communicated to any other Respondent prior to the official opening. To the extent this Contract is considered a Contract for goods or services subject to § 2270.002 Texas Government Code, Respondent certifies that it: i) does not boycott Israel; and ii) will not boycott Israel during the term of the Agreement.

Signed By:  Title: **PRINCIPAL-IN-CHARGE**

Typed Name: **RAYMOND GIGNAC, AIA** Company Name: **GIGNAC & ASSOCIATES, LLP**

Phone No.: **361.442.4345 / 956.686.0100** Fax No.: **361.884.4232**

Email: **RGIGNAC@GIGNAC-ASSOCIATES.COM**

Bid Address: **3700 N. 10TH STREET, SUITE 205, MCALLEN, TEXAS 78501**
P.O. Box or Street City State Zip

Order Address: **3700 N. 10TH STREET, SUITE 205, MCALLEN, TEXAS 78501**
P.O. Box or Street City State Zip

Remit Address: **3700 N. 10TH STREET, SUITE 205, MCALLEN, TEXAS 78501**
P.O. Box or Street City State Zip

Federal Tax ID No.: **202105441**

DUNS No.: **60149-7381**

Date: **OCTOBER 6, 2020**

October 6, 2020

City of South Padre Island
ATTN: City Secretary
4601 Padre Blvd.
South Padre Island, TX 78597

Dear Selection Committee,

The Gignac Architects team is pleased to submit our qualifications for professional services for the Whitecap Circle Beach Access Improvements for the City of South Padre Island. Our team brings highly specialized experience in similar projects, coupled with an extensive knowledge of Texas architecture.

OUR TEAM brings expertise that will be grounded in the intricacies and the environments of South Texas. Having completed numerous projects throughout the Rio Grande Valley, and in South Padre Island, specifically, we know the Gulf Coast area and have been practicing architecture here for over thirty years. We are familiar with the local means and methods for construction and the Texas Windstorm building codes so we will be able to design structures on the water that will hold up adequately to future storms.

In addition to the team strength and experience of Gignac Architects, we will work with a highly qualified team of engineers and specialist consultants, based on their experience and expertise, to deliver highly-serviced, flexible and sustainable improvements. For these enhancements, we have hand-selected the engineering teams with whom we have worked extensively in the past, is highly qualified, and has intimate knowledge of the City of South Padre Island. For Engineering services, we will work with Half Associates, and for Traffic Design, our team includes Maldonado-Burkett. We have committed our key Principal, Raymond Gignac, AIA, and subsequent key team members to see this project through from inception to completion, and they are supported by a team with great depth, having offices that can share workload, in our Corpus Christi headquarters, Harlingen, and McAllen.

We are good listeners and work in a collaborative process where program, concept options, and design detail are developed in close consultation with the client, which you will learn about in more detail in the pages to follow, specifically under our project approach.

We will consult the City's stakeholder committee and user groups to bring together all of the requirements and devise innovative solutions for creating your new facilities. Our team is tailored to provide the necessary range of experience and design skills to develop an approach commensurate with the opportunity provided by the City of South Padre Island.

OUR FIRM is recognized for design excellence and quality public architecture, which we deliver within schedule and cost constraints. Sustainable and cost effective solutions are an integral part of our design approach. Our team is committed to providing the services required in this RFQ, and the personnel required to complete the project on time and within budget. We have the interests of the City, first and foremost, at the top of the design agenda. We will realize your goals and vision for creating new facilities that can be assets to the community.

We look forward to the opportunity to further demonstrate our approach and commitment.

Sincerely,



Raymond Gignac, AIA

Gignac & Associates, LLP | Principal-in-Charge
rgignac@gignac-associates.com
3700 M. 10th Street, Suite 205, McAllen, Texas 78504
M: 361.442.4353 | P: 956.686.0100 | F: 956.622.7313

TABLE OF CONTENTS

FIRM INTRODUCTION	A
PROJECT MANAGER	B
PERSONNEL	C
FIRM EXPERIENCE	D
PAST PERFORMANCE	E
COST ESTIMATES	F
WORK SCHEDULES	G
PROJECT APPROACH	H
STANDARD FORM OF AGREEMENT	I

Firm Introduction





MCALLEN OFFICE

(Primary for this Project)
 3700 N. 10th St
 Suite 205
 McAllen, Texas 78501
 P: 956.686.0100
 F: 956.622.7313

CORPUS CHRISTI OFFICE

416 Starr Street
 Corpus Christi, TX 78401
 P: 361.884.2661
 F: 361.884.422

HARLINGEN OFFICE

222 E. Van Buren
 Suite 102
 Harlingen, TX 78550
 P: 956.365.4820
 F: 956.365.4822

COMPLETE ARCHITECTURAL SERVICES:

- Schematic Design, Design Development,
- Construction Documents,
- and Construction Administration
- Construction Management
- Facilities Assements
- Facilities Restorations
- Site Planning
- Project Specifications
- Project Manuals
- Bidding Coordination
- Parking Planning / Design / Layout
- Landscape Architecture
- Master Planning
- 3D Computer Visualization
- Streetscapes & Lighting Design
- Project Team Coordination
- Traffic Coordination
- Utilities Coordination
- Building Information Modeling
- Code Review, ADA Compliance
- Interior Design
- Sustainability & LEED Services
- Cost Estimating

TEAM SERVICES:

- Civil, Mechanical, Electrical, Plumbing and
- Environmental Engineering Services
- Surveying
- Drainage & Utilities Specialists
- Traffic & Signals Consultant
- Soils Testing
- Construction Material Testing
- Public Relations
- Construction Mitigation
- Graphics & Wayfinding



VIN No: 202105441 Firm Registration No: BR 1221

Gignac & Associates, LLP (also known as Gignac Architecture | Construction Management) has been serving Texas with Architectural, Interior and Landscape Design Services since 1988 when it was established by Raymond Gignac, AIA (Texas Registration 6296). The company is classified as a limited liability partnership. Gignac | Architects is a full service firm providing planning expertise in educational, institutional, municipal and commercial work with an emphasis on quality design. We provide three office locations, in Corpus Christi, Harlingen and McAllen to better serve our South Texas clients with quick, responsive expertise.

Raymond Gignac, Principal-in-Charge, brings over 30 years of experience in Texas, New Mexico, California, Washington D.C., Virginia, and Maryland in all aspects of Architectural practice. As leader of the project team, Raymond personally oversees quality, cost control, and commitment to project deadlines. With this leadership, Gignac | Architects has successfully completed educational and commercial projects of all sizes—on time and in budget.

The Gignac team employs a full staff of design and construction professionals to promote quality in overall project management. We will commit the work force necessary to complete your projects within the designated schedule. Each project team is tailored to address the unique challenges and opportunities to ensure a successful project. Gignac & Associates, LLP has successful experience with projects from a wide-range of construction projects, including new construction and renovations or additions, and an estimated 75% of our workload involves complex additions and renovations. We have extensive experience in transforming existing structures into high performance buildings with new purposes.

The Gignac team is a small business, a Minority Business Enterprise, and a Historically Underutilized Business (HUB) in the State of Texas. Our design team has no pending litigation at this time, and is not for sale, or involved in any transactions.

Since 1988, Gignac & Associates, LLP has taken pride in providing a full range of services to meet the needs of our clients and to communicate both graphically and personally. We have the technology to transmit digital images from the job site to our offices, as well as to our clients instantaneously, via digital imaging. We provide complete architectural, interior design, and landscape services in-house.

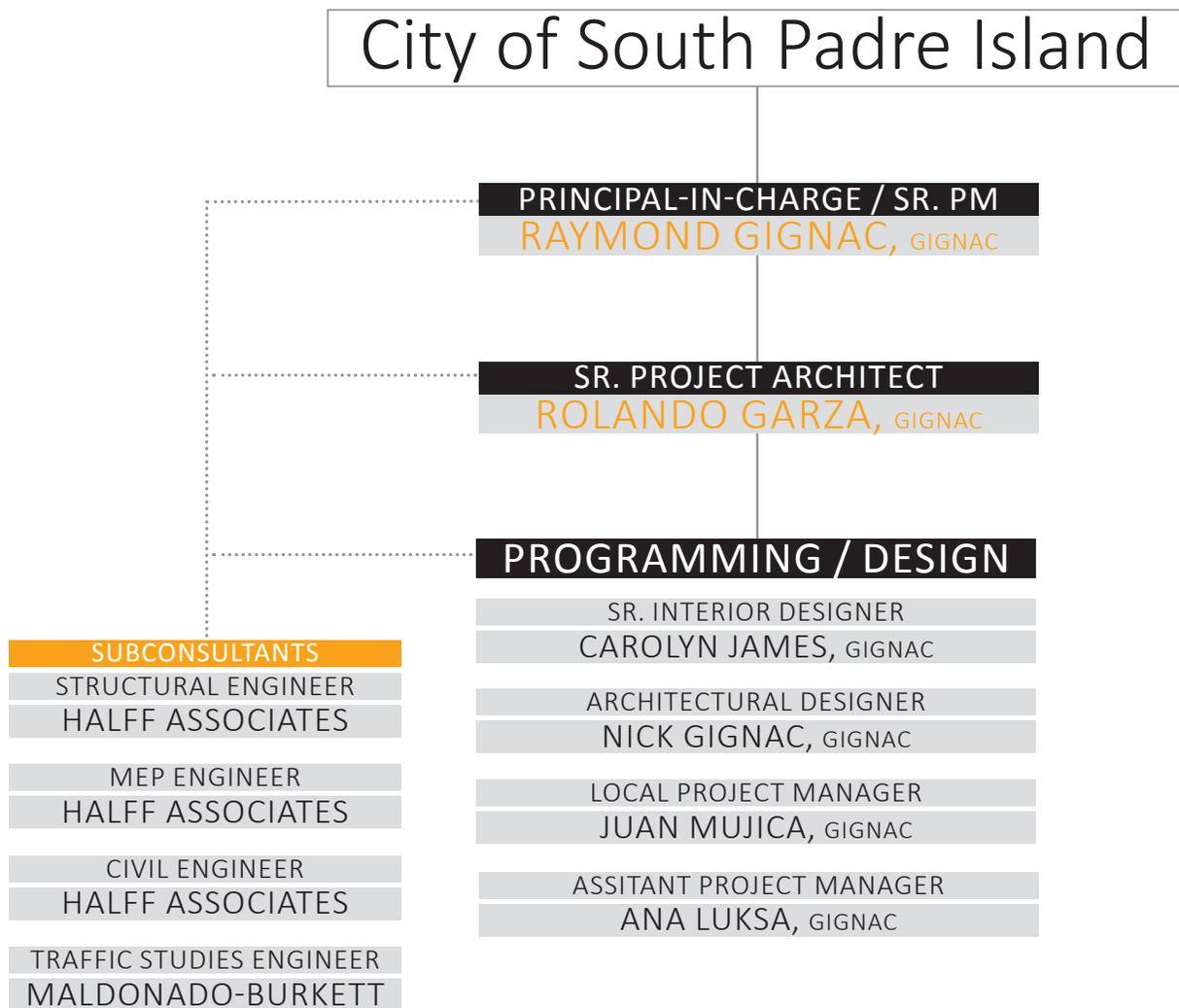
Gignac & Associates, LLP has received the following addenda:

NUMBER	DATE RECEIVED
n/a	n/a

CORE MANAGEMENT TEAM

PROPOSED PROJECT ASSIGNMENTS AND LINES OF AUTHORITY AND COMMUNICATION

Gignac & Associates, LLP (also known as Gignac Architecture | Construction Management) was founded, and is currently owned, by Raymond Gignac, AIA in 1988. As Principal-in-Charge, he will oversee the project team from the start of the project, through completion. We have successful working relationships many consulting firms, and we have worked many local firms on past projects. Our project team is committed to providing the necessary staff to meet the goals of this project in a timely, efficient manner, and the designated personnel will remain committed to the project for its duration. The organizational chart below illustrates the lines of authority and communication that will exist between our project team and the City of South Padre Island.



Project Manager

B





RAYMOND GIGNAC, AIA, CID

PRINCIPAL - IN - CHARGE / SR. PROJECT MANAGER

Raymond Gignac, as principal of Gignac & Associates, is responsible for coordinating and overseeing personnel, consultants, and the management of projects. He has a wide range of experience in design of educational, institutional, commercial and municipal facilities. Raymond brings to the project team over 35 years of experience with completed construction costs approaching \$1 billion. Raymond will head the project team as Principal-in-Charge and Project Manager with project oversight from the earliest stages of programming and design to project close out.

EDUCATION

Bachelor of Environmental Design,
Texas A&M University, 1972
Master of Architecture, Texas A & M
University, 1974

REGISTRATION

Architectural: Texas #6296, 1977;
Maryland, 1984; Virginia, 1985; District
of Columbia, 1985; Oklahoma, 2001
NCARB: 1984
Interior Design: Texas #7569, 1994
Society of Military Engineers: Texas
1995

PROFESSIONAL AFFILIATIONS

American Institute of Architects
National Council of Architectural
Registration Boards
United States Green Building Council
Texas Society of Architects
Architecture Council for Excellence,
Texas A&M University
Texas A & M Legacy Society

AWARDS

VETERANS MEMORIAL HIGH SCHOOL

2016 TASA TASB Exhibit of School
Architecture Design Award
2016 Learning by Design Outstanding
Project Award

DOROTHY ADKINS MIDDLE SCHOOL

2016 Learning by Design Outstanding
Project Award

ARCHITECT OF THE YEAR

2017 Award by The Associated General
Contractors of South Texas

EXPERIENCE

- Waters Edge Bayshore Park, City of Corpus Christi, Corpus Christi, Texas
- Isla Blanca & Andy Bowie Parks, Cameron County, South Padre Island, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Hidalgo County Sheriff's Substation, Weslaco, Texas
- City of Portland Police Station, Portland, Texas
- City of Eagle Pass Police Station, Eagle Pass, Texas
- South Padre Island Public Works Facility, South Padre Island, TX
- Brownsville ISD Palo Alto Public Works Facility, Brownsville, TX
- Corpus Christi Regional Transportation Authority Staples Street Center, Corpus Christi, Texas
- City of Portland City Hall, Portland, Texas
- City of Eagle Pass Fire Station, Eagle Pass, Texas
- Fire Station, Corpus Christi International Airport, Corpus Christi, Texas
- Fire & EMS Station, Naval Air Station, Kingsville, Texas
- Laughlin Air Force Base Fire Station, Del Rio, Texas
- Edinburg Convention Center, Region One Educational Service Center, Edinburg, Texas
- Coast House Renovations due to Hurricane Harvey, Corpus Christi, Texas
- American Bank Center & Convention Center, Corpus Christi, Texas
- City of South Padre Island Multi-Modal Transit Center, South Padre Island, Texas
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- Cameron County Courthouse Annex Additions & Renovations, Harlingen, Texas
- Chaparral Street Improvements, City of Corpus Christi, Corpus Christi, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Bay Education Service Center, City of Rockport in conjunction with Univ. of Texas, Rockport, TX
- City of Corpus Christi Downtown Vision Plan, Corpus Christi, Texas
- City of Port Aransas Marina Market Master Plan and Development, Port Aransas, Texas
- City of Port Aransas Marina Market Master Plan, Port Aransas, Texas
- City of San Benito Resaca Walk Master Plan, San Benito, Texas
- Bus Barn at Port Isabel ISD, Point Isabel, TX
- Kingsville ISD Bus Barn, Kingsville, TX
- Corpus Christi RTA Bus Barn & Transit Station, Corpus Christi, TX
- Cunningham at South Park Middle School, Corpus Christi ISD, Corpus Christi, TX
- Hass Middle School, Corpus Christi ISD, Corpus Christi, TX
- New Veterans Memorial High School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Dorothy Adkins Middle School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- Zachary Kolda Elementary School ([LEED Certified](#)), Corpus Christi ISD, CC, Texas
- Dr. J.A. Garcia Elementary School ([LEED Silver](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Los Encinos Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Windsor Park Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- New Calk / Wilson Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Longoria Elementary School Additions & Renovations, Pharr San-Juan Alamo ISD, TX
- Additions & Renovations to Alamo Middle School, Pharr San-Juan Alamo ISD, TX
- And many more...

Team Personnel







ROLANDO GARZA, AIA, LEED AP BC+C
PROJECT DIRECTOR / ARCHITECTURAL DESIGN MANAGER

Rolando has been with Gignac & Associates for 25 years. He acts as Project Designer and Project Manager for many of Gignac & Associates' commissions. In addition to his experienced management skills, Rolando brings to the project team a broad working knowledge of building design and code compliance from ADA concerns to life safety. Rolando also leads our energy conservation awareness concerns as they relate to architectural design. Rolando will be involved with this project from its inception until its completion. **Rolando is a LEED Accredited Professional.**

EDUCATION

Bachelor of Architecture, University of Texas, Austin, 1984
Oxford Summer Study Program, Oxford, England

REGISTRATION

Architecture: Texas #13642, 1991

PROFESSIONAL AFFILIATIONS

American Institute of Architects
National Council of Architectural Registration Boards
United States Green Building Council
Texas Society of Architects

EXPERIENCE

- Isla Blanca & Andy Bowie Parks, Cameron County, South Padre Island, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Edinburg Convention Center, Region One Educational Service Center, Edinburg, Texas
- Waters Edge Bayshore Park, City of Corpus Christi, Corpus Christi, Texas
- Coast House Renovations due to Hurricane Harvey, Corpus Christi, Texas
- American Bank Center & Convention Center, Corpus Christi, Texas
- City of South Padre Island Multi-Modal Transit Center, South Padre Island, Texas
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- Cameron County Courthouse Annex Additions & Renovations, Harlingen, Texas
- Chaparral Street Improvements, City of Corpus Christi, Corpus Christi, Texas
- Fire Station, Corpus Christi International Airport, Corpus Christi, Texas
- South Padre Island Public Works Facility, South Padre Island, TX
- Brownsville ISD Palo Alto Public Works Facility, Brownsville, TX
- Fire & EMS Station, Naval Air Station, Kingsville, Texas
- Laughlin Air Force Base Fire Station, Del Rio, Texas
- Hidalgo County Sheriff's Substation, Weslaco, Texas
- City of Portland Police Station, Portland, Texas
- City of Eagle Pass Police Station, Eagle Pass, Texas
- Corpus Christi Regional Transportation Authority Staples Street Center, Corpus Christi, Texas
- City of Portland City Hall, Portland, Texas
- City of Eagle Pass Fire Station, Eagle Pass, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Bay Education Service Center, City of Rockport in conjunction with Univ. of Texas, Rockport, TX
- City of Corpus Christi Downtown Vision Plan, Corpus Christi, Texas
- City of Port Aransas Marina Market Master Plan and Development, Port Aransas, Texas
- City of Port Aransas Marina Market Master Plan, Port Aransas, Texas
- City of San Benito Resaca Walk Master Plan, San Benito, Texas
- Bus Barn at Port Isabel ISD, Point Isabel, TX
- Kingsville ISD Bus Barn, Kingsville, TX
- Corpus Christi RTA Bus Barn & Transit Station, Corpus Christi, TX
- Cunningham at South Park Middle School, Corpus Christi ISD, Corpus Christi, TX
- Hass Middle School, Corpus Christi ISD, Corpus Christi, TX
- New Veterans Memorial High School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Dorothy Adkins Middle School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- Zachary Kolda Elementary School ([LEED Certified](#)), Corpus Christi ISD, CC, Texas
- Dr. J.A. Garcia Elementary School ([LEED Silver](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Los Encinos Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Windsor Park Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- New Calk / Wilson Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Longoria Elementary School Additions & Renovations, Pharr San-Juan Alamo ISD, TX
- Jaime Escalante Middle School, Pharr San-Juan Alamo ISD, Pharr, TX
- And many more...



CAROLYN JAMES, AIA, CID
INTERIOR DESIGNER

Proposed Design Architect and Interior Designer, Carolyn James, AIA brings over 30 years of experience to the proposed team in Architecture and Interior Design. Ms. James specializes in interior design utilizing contract furnishings derived from commercial interior specifications. Her past project experience includes many publicly funded projects, many of these for various municipal clients and independent school districts. Carolyn is dually registered in the State of Texas as both an Architect and an Interior Designer and specializes in assisting clients with space planning, selecting color palettes, interior furnishings, graphics and even artwork selection. .

EDUCATION

Bachelor of Architecture, University of Texas, Austin, 1980
National Endowment for the Arts Grant Project, Farleigh Dickson University, West Indies Laboratory, St. Croix, U.S.V.I., 1978

REGISTRATION

Architectural: Texas #10912, 1985
Interior Design: Texas #7573, 1994

PROFESSIONAL AFFILIATIONS

American Institute of Architects
National Council of Architectural Registration Boards
United States Green Building Council
Texas Society of Architects

EXPERIENCE

- Corpus Christi Regional Transportation Authority Staples Street Center, Corpus Christi, Texas
- American Bank Center & Convention Center, Corpus Christi, Texas
- City of South Padre Island Multi-Modal Transit Center, South Padre Island, Texas
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- Cameron County Courthouse Annex Additions & Renovations, Harlingen, Texas
- Chaparral Street Improvements, City of Corpus Christi, Corpus Christi, Texas
- City of Portland City Hall, Portland, Texas
- City of Eagle Pass Fire Station, Eagle Pass, Texas
- Fire Station, Corpus Christi International Airport, Corpus Christi, Texas
- Fire & EMS Station, Naval Air Station, Kingsville, Texas
- Laughlin Air Force Base Fire Station, Del Rio, Texas
- Waters Edge Bayshore Park, City of Corpus Christi, Corpus Christi, Texas
- Isla Blanca & Andy Bowie Parks, Cameron County, South Padre Island, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Edinburg Convention Center, Region One Educational Service Center, Edinburg, Texas
- City of Eagle Pass Police Station, Eagle Pass, Texas
- Hidalgo County Sheriff's Substation, Weslaco, Texas
- City of Portland Police Station, Portland, Texas
- South Padre Island Public Works Facility, South Padre Island, TX
- Brownsville ISD Palo Alto Public Works Facility, Brownsville, TX
- Coast House Renovations due to Hurricane Harvey, Corpus Christi, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Bay Education Service Center, City of Rockport in conjunction with Univ. of Texas, Rockport, TX
- City of Corpus Christi Downtown Vision Plan, Corpus Christi, Texas
- City of Port Aransas Marina Market Master Plan and Development, Port Aransas, Texas
- City of Port Aransas Marina Market Master Plan, Port Aransas, Texas
- City of San Benito Resaca Walk Master Plan, San Benito, Texas
- Bus Barn at Port Isabel ISD, Point Isabel, TX
- New Veterans Memorial High School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Dorothy Adkins Middle School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- Zachary Kolda Elementary School ([LEED Certified](#)), Corpus Christi ISD, CC, Texas
- Dr. J.A. Garcia Elementary School ([LEED Silver](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Los Encinos Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, Texas
- New Windsor Park Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- New Calk / Wilson Elementary School ([LEED Registered](#)), Corpus Christi ISD, Corpus Christi, TX
- Kingsville ISD Bus Barn, Kingsville, TX
- Corpus Christi RTA Bus Barn & Transit Station, Corpus Christi, TX
- Cunningham at South Park Middle School, Corpus Christi ISD, Corpus Christi, TX
- Hass Middle School, Corpus Christi ISD, Corpus Christi, TX
- Longoria Elementary School Additions & Renovations, Pharr San-Juan Alamo ISD, TX
- Jaime Escalante Middle School, Pharr San-Juan Alamo ISD, Pharr, TX
- And many more...



JUAN MUJICA, JR., ASSOCIATE AIA
PROJECT MANAGER

Juan launched the Rio Grande Valley Office of Gignac & Associates in Harlingen, Texas in April of 2000 and has been with Gignac | Architects ever since. Juan effectively serves many roles, often as Project Manager for of educational, institutional, and municipal facilities. With over 21 years of total experience, he has completed over 50 projects with Gignac & Associates and has experience in project scopes ranging from small additions and renovations to large-scale convention centers and new high schools. Juan is typically involved in a project from inception and will maintain a presence throughout construction administration.

EDUCATION

Bachelor of Architecture, University of Houston, Houston, TX 1992
Minor in Philosophy

REGISTRATION

Associate AIA

PROFESSIONAL AFFILIATIONS

American Institute of Architects
NCARB Candidate
Texas Society of Architects
Lower Rio Grande Valley Chapter of American Institute of Architects

EXPERIENCE

- Hidalgo County Sheriff’s Substation, Hidalgo County, Weslaco, Texas
- Harlingen Fire Station No. 4, City of Harlingen, Harlingen, Texas
- City of San Benito Resaca Walk Municipal Master Plan, San Benito, Texas
- Cameron County Courthouse Annex Additions & Renovations, Harlingen, Texas
- Isla Blanca & Andy Bowie Parks, Cameron County, South Padre Island, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Edinburg Convention Center, Region One Educational Service Center, Edinburg, Texas
- City of Mercedes Multipurpose Facility & FEMA Community Safe Room, Mercedes, Texas
- Palo Alto Service Center & Central Warehouse, Brownsville, Texas
- City of South Padre Island Multi-Modal Transit Center, South Padre Island, Texas
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Bay Education Service Center, City of Rockport in conjunction with University of Texas, Rockport, Texas
- Stephen F. Austin Replacement Middle School, PSJA ISD, San Juan, TX
- Raul I. Longoria Elementary School, PSJA ISD, Pharr, TX
- New Jaime Escalante Middle School, PSJA ISD, Pharr, TX
- Lee H. Means Elementary School, HCISD, Harlingen, TX
- Moises V. Vela Middle School, HCISD, Harlingen, TX
- Early College High School at TSTC, HCISD, Harlingen, TX
- San Juan Replacement Middle School, PSJA ISD, San Juan, TX
- Tennis Courts Replacement, Harlingen High School, Harlingen HS South, HCISD, Harlingen, TX
- District Wide Additions and Renovations to Point Isabel ISD, Port Isabel, TX
- New Athletic Fields / Football Stadium Upgrades, Port Isabel ISD High School, Port Isabel, TX
- District Wide Additions / Renovations to HCISD, HCISD, Harlingen, TX
- Rio Hondo Elementary School, Rio Hondo ISD, Rio Hondo, TX
- Rio Hondo Sports Complex, Rio Hondo ISD, Rio Hondo, TX
- Additions to Rio Hondo High School, Rio Hondo ISD, Rio Hondo, TX
- Castaneda Elementary School, McAllen ISD, McAllen, TX
- District Wide Additions and Renovations to McAllen ISD, McAllen, TX
- Juarez-Lincoln High School, La Joya ISD, La Joya, Texas
- Kennedy Middle School, Pharr San-Juan Alamo ISD, Pharr, Texas
- Harlingen CISD, Boggus Stadium, New Football Field, Track and Seating Expansion, Harlingen, Texas
- Austin Middle School, Pharr San-Juan Alamo ISD, San Juan, Texas
- New Aquatics Center, Harlingen CISD, Harlingen , Texas
- District Wide Additions and Renovations, Harlingen CISD, Harlingen , Texas
- Tuloso-Midway ISD Early Childhood Education Center Addition, Corpus Christi, Texas
- Point Isabel ISD Derry Elementary Classroom Wing Additions, Port Isabel, Texas
- University of Texas Regional Academic Health Center, Harlingen, Texas
- And many more...



ANA SALAS-LUKSA

ASSISTANT PROJECT MANAGER

As a native of Hidalgo County, Ana has been a cornerstone of our team since 2004, starting out in our Harlingen office, and recently moving to our McAllen office to be closer to her family. Ana's duties include design, production, and project coordination. You will often find Ana meeting with clients and owner representatives to ensure quality control. Ana has worked on a number of major projects for various public clients and across a wide-spectrum of project types.

EDUCATION

Bachelor of Architecture, University of Texas at Austin, 2000

PROFESSIONAL AFFILIATIONS

American Institute of Architects, Lower Rio Grande Valley

EXPERIENCE

- San Benito Resaca Walk, City of San Benito, San Benito, Texas
- Cameron County Annex, Cameron County, Harlingen, Texas
- Fire Station No. 4, City of Harlingen, Harlingen, Texas
- La Joya Independent School District New Water Park Plan, La Joya, Texas
- City of South Padre Island Transit Multi-Modal Center, South Padre Island, Texas
- Lee Means Elementary School, Harlingen Consolidated Independent School District, Harlingen, Texas
- Kennedy Middle School, Pharr San-Juan Alamo Independent School District, Pharr, Texas
- Myra Green Middle School, Raymondville Independent School District, Raymondville, Texas
- Derry Elementary School Classroom Addition, Point Isabel ISD, Port Isabel, Texas
- Port Isabel High School Additions and Renovations, Port Isabel, Texas
- San Juan Middle School, Pharr San-Juan Alamo Independent School District
- Austin Middle School, Pharr San-Juan Alamo Independent School District
- Longoria Elementary School, Pharr San-Juan Alamo Independent School District
- Alamo Middle School, Pharr San-Juan Alamo Independent School District
- Jaime Escalante Middle School, Pharr San-Juan Alamo Independent School District
- Audie Murphy Middle School, Pharr San-Juan Alamo Independent School District
- Early College High School Additions and Renovations, Harlingen Consolidated Elementary School
- Baseball and Softball Field Improvements, Harlingen Independent School District
- Edinburg CISD Career and Technology Education Facilities (2), Edinburg, Texas
- PSJA ISD Collegiate Academy with CATE facilities and welding lab, San Juan, Texas
- Juarez Lincoln High School Additions with CATE facilities and welding lab, La Joya ISD, La Joya, Texas
- La Joya Independent School District New Water Park Plan, La Joya, Texas
- City of South Padre Island Transit Multi-Modal Center, South Padre Island, Texas
- Harlingen Aquatic Center, Harlingen CISD, Harlingen, TX
- Yzaguirre Middle School, Pharr San-Juan Alamo ISD, San Juan, TX
- La Joya Instructional Resource & Technology Facility, La Joya ISD, TX
- Point Isabel High School Athletic Improvements
- Point Isabel Junior High School Road Improvements, Port Isabel, TX
- Harlingen CISD 2016 Middle School Track Improvements, Harlingen, TX
- And many more...



NICHOLAS GIGNAC

ASSOCIATE AIA, LEED AP BD+C

Since joining the firm in 2010, Nick Gignac has gained valuable experience in programming, design, and project management across a broad spectrum of project sizes and types. Nick has worked on everything from small educational projects to \$100 Million high schools, and has become especially proficient in day-lighting, sustainable planning and design. As a LEED Accredited Professional, Nick often serves as a LEED Project Administrator. Nick also continues to learn and grow in his work and represents the future of architecture in South Texas as the second generation of Gignac | Architects. **Nick is a LEED Accredited Professional.**

EDUCATION

Master of Architecture, Texas A&M University
 Graduate Certificate in Facility Management, Texas A&M University
 B.S. in Construction Science, Texas A&M University

REGISTRATION

Associate AIA
 LEED Accredited Professional

PROFESSIONAL AFFILIATIONS

American Institute of Architects
 United States Green Building Council
 Leadership Corpus Christi Class 43

EXPERIENCE

- Corpus Christi Regional Transportation Authority Staples Street Center, Corpus Christi, Texas
- South Padre Island Public Works Facility, South Padre Island, TX
- Brownsville ISD Palo Alto Public Works Facility, Brownsville, TX
- City of Eagle Pass Police Station, Eagle Pass, Texas
- City of Portland Police Station, Portland, Texas
- City of Portland City Hall, Portland, Texas
- City of Eagle Pass Fire Station, Eagle Pass, Texas
- Waters Edge Bayshore Park, City of Corpus Christi, Corpus Christi, Texas
- Isla Blanca & Andy Bowie Parks, Cameron County, South Padre Island, Texas
- City of South Padre Island Convention Center Master Plan, South Padre Island, Texas
- Edinburg Convention Center, Region One Educational Service Center, Edinburg, Texas
- Coast House Renovations due to Hurricane Harvey, Corpus Christi, Texas
- American Bank Center & Convention Center, Corpus Christi, Texas
- City of South Padre Island Multi-Modal Transit Center, South Padre Island, Texas
- South Padre Island Convention Center Additions and Renovations, South Padre Island, Texas
- Cameron County Courthouse Annex Additions & Renovations, Harlingen, Texas
- Chaparral Street Improvements, City of Corpus Christi, Corpus Christi, Texas
- Texas A&M University Kingsville Additions & Renovations, Kingsville, Texas
- Bay Education Service Center, City of Rockport in conjunction with Univ. of Texas, Rockport, TX
- City of Corpus Christi Downtown Vision Plan, Corpus Christi, Texas
- City of Port Aransas Marina Market Master Plan and Development, Port Aransas, Texas
- City of Port Aransas Marina Market Master Plan, Port Aransas, Texas
- City of San Benito Resaca Walk Master Plan, San Benito, Texas
- Bus Barn at Port Isabel ISD, Point Isabel, TX
- New Veterans Memorial High School (**LEED Registered**), Corpus Christi ISD, Corpus Christi, TX
- Dorothy Adkins Middle School (**LEED Registered**), Corpus Christi ISD, Corpus Christi, Texas
- Zachary Kolda Elementary School (**LEED Certified**), Corpus Christi ISD, CC, Texas
- Dr. J.A. Garcia Elementary School (**LEED Silver**), Corpus Christi ISD, Corpus Christi, Texas
- New Los Encinos Elementary School (**LEED Registered**), Corpus Christi ISD, Corpus Christi, Texas
- New Windsor Park Elementary School (**LEED Registered**), Corpus Christi ISD, Corpus Christi, TX
- New Calk / Wilson Elementary School (**LEED Registered**), Corpus Christi ISD, Corpus Christi, TX
- Kingsville ISD Bus Barn, Kingsville, TX
- Corpus Christi RTA Bus Barn & Transit Station, Corpus Christi, TX
- Cunningham at South Park Middle School, Corpus Christi ISD, Corpus Christi, TX
- Hass Middle School, Corpus Christi ISD, Corpus Christi, TX
- Longoria Elementary School Additions & Renovations, Pharr San-Juan Alamo ISD, TX
- Additions & Renovations to Alamo Middle School, Pharr San-Juan Alamo ISD, TX
- Jaime Escalante Middle School, Pharr San-Juan Alamo ISD, Pharr, TX
- And many more...



JORGE SALINAS, PE
SENIOR ENGINEERING DESIGNER

Jorge Salinas has over 30 years of experience in a variety of design projects and traffic plans, including large and small roadside sign design, collecting traffic data, pavement marking design, traffic control plans, temporary and permanent traffic signal designs, ITS, roadway illumination systems, and field inspections. Jorge provides engineering support and performs traffic engineering design, calculations and procedures for the MB team. His assistance to MB engineers and technicians on traffic engineering plan preparation helps ensure that each project is done successfully, on time, and meets each client's needs.

EDUCATION

Del Mar College, Corpus Christi, Texas,
1989

AREAS OF EXPERTISE:

Large and Small Roadside Sign Design
Pavement Marking Design
Traffic Control Plans
Temporary Traffic Signal Design
Permanent Traffic Signal Design
Intelligent Transportation Systems
Roadway Illumination Systems
Field Inspections

EXPERIENCE

- **Corpus Christi Independent School District – Multiple Traffic Studies**
Jorge Salinas managed several TIA'S for CCISD. The studies included gathering existing peak hour traffic volumes, trip generation peak hour volumes and projected peak hour volumes. Roadway and/or signal improvements were recommended to maintain a Level of Service D or better at all intersections. Signal warrant studies were also included in the TIA studies as needed. TIA studies were completed using the latest version of the Trip Generation and Highway Capacity Manuals. Passer V and OTTIS software were used to generate reports
- **Del Mar College South Campus - TIAs**
Del Mar Southside Campus development consisted of a 20,000-student campus to be constructed in 3 phases. The development was expected to generate 2,400 additional AM peak-hour trips and 2,400 additional PM peak-hour trips. The study consisted of 12 signalized/un-signalized intersections within a ½ mile radius. The study included gathering peak hour traffic volumes, trip generation peak hour volumes and projected peak hour volumes. Roadway and/or signal improvements were recommended to maintain a Level of Service D or better at all intersections within the project limits. Signal warrant studies were also part of the TIA study. The study also consisted of the removal of Bronx Drive from the City's Urban Transportation Plan to accommodate the new development. Traffic Impact Analysis (TIA) provide guidance on planning access to new or improved developments and recommend improvements needed to allow the local transportation system to satisfactorily accommodate site and total traffic. MB uses the ITE Trip Generation Manual to estimate the number of trips generated by a new development. Synchro 10 is used to model each study area to determine the impact of a new development, OTTIS software to get LOS results based on the latest edition of the Highway Capacity Manual.
- **Spur 3 (Ennis Joslin), Corpus Christi, Texas**
Mr. Salinas completed an extensive and complicated TIA study which included the development of an Italian Village project within close proximity of an expanding University campus. The study included gathering existing peak hour traffic volumes, trip generation peak hour volumes and projected peak hour volumes. Roadway and signal improvements were recommended to maintain a Level of Service D or better at all intersections within a one-mile radius. Signal warrant studies were also part of the TIA study. These studies were completed using the latest version of the Trip Generation and Highway Capacity Manuals. Passer V and OTTIS software were used to generate the report.
- **SH 30 from West of FM 2550 to West of FM 1791, Bryan Texas**
Mr. Salinas designed traffic control plan layouts, design of roadway traffic signs, large and small roadside signs, design of roadway pavement markings, and design of SW3P plan layouts. All design was in accordance with the TMUTCD and TxDOT Detail Standard Sheets.
- **Cimarron Blvd. with Lipas Blvd. – Signal Warrant Analysis Study, Corpus Christi, Texas**
Mr. Salinas completed a traffic signal warrant analysis study for a new high school in Corpus Christi. The purpose of this study was to determine if a signal would be warranted prior to the high school opening. The study included gathering existing peak hour traffic volumes, trip generation peak hour volumes and projected peak hour volumes. Roadway improvements and new signal installation were recommended and a Level of Service C was maintained on the existing network. Signal warrant studies were completed using the latest version of the TMUTCD and the Trip Generation and Highway Capacity Manual. Passer V and OTTIS software were used to generate the report.



LARRY J. COLCLASURE, PE
SR. PROJECT MANAGER

Larry Colclasure, P.E. is a Senior Project Manager with Maldonado-Burkett (M-B). He has worked extensively with TxDOT, local governments, and others to improve traffic operations. Mr. Colclasure has over 30 years of experience working on a wide variety of complex design projects involving schematic design, route studies, traffic control, traffic signals, illumination, ITS, signing and striping for freeway and conventional highway projects. He has conducted numerous traffic signal warrant studies, traffic engineering studies and speed zone studies.

EDUCATION

B.S. in Civil Engineering,
Texas A&M University- 1983

REGISTRATION

Professional Engineer Texas No. 65936

TXDOT PRECERTS

- 7.1.1 Traffic Engineering Studies
- 7.2.1 Highway-Rail Grade Crossing Studies
- 7.3.1 Traffic Signal Timing
- 7.4.1 Traffic Control Systems Analysis, Design & Implementation
- 7.5.1 Intelligent Transportation Systems
- 8.1.1 Signing, Pavement Marking and Channelization
- 8.2.1 Illumination
- 8.3.1 Signalization
- 8.5.1 Highway-Rail Grade Crossings
- 11.1.1 Roadway Construction Management and Inspection

AWARDS

- Luther DeBerry Award – Outstanding Contributions to the State of Texas in the Field of Transportation – 2001
- Richard H. Oliver Award – Outstanding Service to the Texas Department of Transportation Field of Traffic Operations and Safety- 2001
- Outstanding Project Director for TxDOT Research Program – 2010

EXPERIENCE

- **US 290 at Western Sky, FM 2244 at Senna Hills Dr & SH 29 at Bronco Blvd TxDOT, Austin Area, Texas**

Larry Colclasure developed traffic signal plans for three (3) intersections in the Austin area for TxDOT. The design included mast arm poles, foundations, radar advance and presence detection, signal phasing, pavement markings, street name signs, electrical service, conduit and conductor design, communications and safety lighting. All design was in accordance with the Texas Manual on Uniform Traffic Control Devices (TMUTCD), the Traffic Signal Manual, the Electrical and Illumination Details and Standard Sheets. Each of the intersections was located outside the urban area of Austin on high speed approached requiring advance detection for dilemma zone protection.
- **Staples Ave – Traffic Study**

Larry Colclasure, P.E. performed a traffic study on Staples St. for the city of Corpus Christi. The city was in the process of making major infrastructure repairs along with milling and overlaying the roadway. During the process, the city had wanted to look into making the roadway a 1 lane roadway in each direction with a continuous left turn lane and right turn lanes at signalized intersections versus the existing configuration of 2 lanes in each direction with no turn lanes. Larry created multiple Synchro models at peak periods for each lane configuration using traffic data provided by the city to determine which solution provided the best Level-Of-Service. A comparison of the various measures of effectiveness for each scenario were also studied. The results of the study and the SimTraffic animation models were presented at multiple public meetings.
- **Project Name: US 190 at FM 2410 Interchange – Traffic Study**

Larry Colclasure, P.E. collected traffic count data and existing traffic signal data to prepare Synchro models to evaluate multiple design scenarios. The FM 2410 overpass was congested during peak periods and other times during the day. There were plans to add turning lanes to the frontage roads and the arterial, but there was not funding to widen the bridge structure. Mr. Colclasure created multiple Synchro modeling files to determine the storage lengths for each turning lane and to determine the best lane configuration on the bridge structure. The models were presented to the city’s mayor and city council to support the final roadway design for the interchange.
- **Traffic Signal Coordination Projects, TxDOT Pharr, FM 493 and FM 1426 (March – June, 2019)**

Mr. Colclasure prepared a traffic signal timing plans for AM Peak, PM Peak, and Off-Peak time periods using Synchro for FM 493 in Donna, TX and FM 1426 in Pharr, TX. Both corridors required coordination with the diamond. Two of the intersections use split phasing on the side streets due to the high percentages of left turns and the difficulty of running these phases together. As a part of the signal timing plans, Mr. Colclasure took advantage of the Coordinated Adaptive Split feature to dynamically adjust the splits of the non-coordinated phases to make each intersection operate as efficiently as possible and reduce the early returns to the main street when there is a large demand on the side streets. The FM 1426 corridor also required coordination with traffic signals on a crossing arterial as well.



MALDONADO - BURKETT
ENGINEERS | SURVEYORS | CONTRACTORS

Qualifications and Experience of Company

Maldonado-Burkett, LLP (M-B) has extensive experience performing traffic studies including traffic warrant analysis, speed zone studies, traffic impact analysis, access management studies, developing plans to comply with federal requirements for ADA, and developing national and regional ITS Architecture consistency plans.

All proposed team members have performed traffic studies for many years and know how to successfully implement traffic study improvement recommendations. The types of traffic studies **M-B** staff has performed include traffic signal warrant studies based on the criteria of **TMUTCD, Part IV**, speed studies and curve advisory speed studies in accordance with **TxDOT's Speed Zone Procedures Manual**, sight distance studies in accordance with **AASHTO Green Book – A Policy on Geometric Design of Highways and Streets**, school crossings warrant studies based on **TxDOT's Transportation Engineering Design Manual**: and access management and corridor operational studies.

The **M-B** Team takes a practical approach to projects placing a high priority on assigned tasks to maximize the benefit of invested taxpayer dollars, to meet schedules and budgets, and to work proactively with the team every step of the way.

Relevant Projects

US 190 at FM 2410 Interchange – Traffic Study

M-B collected traffic count data and existing traffic signal data to prepare Synchro models to evaluate multiple design scenarios. The FM 2410 overpass was congested during peak periods and several other times during the day. There were plans to add turning lanes to the frontage roads and the arterial, but there was no funding to widen the bridge structure. Multiple Synchro modeling files were developed to determine the best lane configuration on the bridge structure. The models were presented to the city's mayor and councilmen to support the final roadway design for the interchange.

State Loop 336 – Traffic Impact Analysis Study

M-B prepared a Traffic Impact Analysis Study on Loop 336 in Conroe, TX to determine the impact a large apartment complex would have on the major roadways and intersections in the vicinity of the complex. The study included collecting traffic data on 3 state highways and 3 signalized intersections and determining the projected traffic counts generated from the complex using the Institute of Transportation Engineers Trip Generation Manual. The study also included determining directional distributions for the generated traffic and calculating the existing and future Level-Of-Service (LOS) for each roadway and intersection. A sight distance study was also performed to determine what the sight distance would be at the proposed driveway and what the sight distance needed to be for safe turning based on the AASHTO roadway manual, A Policy on Geometric Design of Highways and Streets. Recommendations to mitigate the traffic impact were made to the city of Conroe and TxDOT concerning driveway spacing, the need for additional traffic signals and the need for turn lanes for the new driveway based on state and local criteria.

Del Mar College South Campus

Del Mar Southside Campus development consisted of a 20,000-student campus to be constructed in 3 phases. The development was expected to generate 2,400 additional AM peak-hour trips and 2,400 additional PM peak-hour trips. The study consisted of 12 signalized/un-signalized intersections within a ½ mile radius. The study included gathering peak hour traffic volumes, trip generation peak hour volumes and projected peak hour volumes. Roadway and/or signal improvements were recommended to maintain a Level of Service D or better at all intersections within the project limits. Signal warrant studies were also part of the TIA study. The study also consisted of the removal of Bronx Drive from the City's Urban Transportation Plan to accommodate the new development. Traffic Impact Analysis (TIA) provide guidance on planning access to new or improved developments and recommend improvements needed to allow the local transportation system to satisfactorily accommodate site and total traffic. **M-B** uses the ITE Trip Generation Manual to estimate the number or trips generated by a new development. Synchro 10 is used to model each study area to determine

the impact of a new development, OTISS software to determine the LOS results based on the latest edition of the Highway Capacity Manual.

CCISD – Multiple Traffic Studies

M-B has completed several TIA'S for CCISD. The studies included gathering existing peak hour traffic volumes, trip generation peak hour volumes and projected peak hour volumes. Roadway and/or signal improvements were recommended to maintain a Level of Service D or better at all intersections. Signal warrant studies were also included in the TIA studies as needed. TIA studies were completed using the latest version of the Trip Generation and Highway Capacity Manuals. Passer V and OTISS software were used to generate the report. **M-B** made recommendations for the new school locations based on the data analysis and proposed driveway options

Padre Island Mobility Study

Padre Island continues to lead the region in development. This, along with the seasonally influenced traffic to the Gulf's beaches brings transportation issues to the forefront for the Corpus Christi Area. With large segments on the island remaining undeveloped, the opportunity to develop a masterplan for an expandable transportation system to meet future needs is at a critical juncture. **M-B** collected, analyzed and seasonally categorized traffic data in the area. **M-B** developed an exclusive Roadway Selection Guide that correlates traffic volumes, efficiency, and roadway type. Traffic simulation models were developed in SYNCHRO to be able to demonstrate operational efficiencies of various intersection improvements. The information and concepts presented at the initial meeting with the Island Strategic Action Committee was easily understood and pointed towards good future progress.

Barisi Village Development (Corpus Christi)

As a new specialized firm in Corpus Christi, **M-B** completed an extensive, complicated and high-profile Level 2 TIA study which included the development of an Italian Village project within close proximity of an expanding University campus. The study included gathering existing peak hour traffic volumes, trip generation peak hour volumes and projected peak hour volumes. Roadway and/or signal improvements were recommended to maintain a Level of Service D or better at all intersections within a one-mile radius. Signal warrant studies were also part of the TIA study. TIA studies were completed using the latest version of the Trip Generation and Highway Capacity Manuals. Passer V and OTISS software were used to generate the report.

Melissa Park Village Traffic Impact Analysis, Signal Warrant Analysis, and Parking Study



M-B is currently providing Project Management and QA/QC on this project for a mixed-use development in Melissa, Texas. The proposed development was for 150,000 square feet of building floor space on a 21.5-acre tract, with frontage on Sam Rayburn Highway (S.H. 121). Sam Rayburn Highway is a rapidly-developing area in Melissa, approximately 40 miles north of Dallas along the US 75 corridor. The project included analysis of the 9-lot development which included retail, restaurant, residential, and office uses, as well as a large community center and chapel. Existing traffic data was collected and used to develop an existing conditions model in the analysis software Vistro. Trip generation was performed using the ITE *Trip Generation Manual*; the generated trips were then added to the existing traffic volumes to produce a future traffic conditions model. Level of service analysis at 4 project intersections was performed, as well as a traffic signal warrant analysis for the main entrance to

the development. Lastly, a parking analysis was performed to determine parking requirements based upon the peak hour usage of each land use, allowing overall reduction of parking in conformance with the City's ordinances.

JOSE ALBERTO DELGACO, PE, RCDD, LEED AP ELECTRICAL ENGINEER

Jose Delgado joined Halff Associates in June 2010. Prior to joining Halff Associates, he spent a number of years in Dallas and Austin, Texas, where he was actively involved in technically challenging and sustainable demanding MEP and Information Technology Systems (ITS) projects. Mr. Delgado's experience includes a plethora of projects located across Texas and as far away as New York State. Mr. Delgado's experience includes institutional, educational, industrial, commercial, and government type projects. He has been involved in the MEP and ITS design and construction management.

EDUCATION

Bachelor of Science/Electrical Engineering, University of Texas Pan-American

REGISTRATIONS

Licensed Professional Engineer, State of Texas – No. 101998
LEED AP- No. 10450958
Registered Communications Distribution Designer (RCDD)– No. 201201R

EXPERIENCE

- **Brownsville Public Utilities Board Service Center Facility, Brownsville, Texas**- Electrical Engineer and ITS designer of record, and MEP project manager for a new service center facility that consists of an administration office building, warehouse building, loading docks, car wash building, fueling stations, and vehicle maintenance building. The electrical design consisted of distribution of normal and emergency power with capabilities to connect a portable generator, specification of two paralleled 500kW diesel fueled emergency generators sized for the entire facility's load with a 12 hour fuel tank, generator system's automatic transfer switch, building's grounding system, interior and exterior lighting, a 70kW UPS with sixty minutes of battery run time, interior and exterior LED type lighting systems, and circuiting of a fire pump to the emergency systems. The ITS system design included copper and fiber backbone cabling systems, horizontal cabling systems, networking equipment layout, surveillance camera security system, electronic access controls systems, intrusion detection system, integration of security systems into a single platform, network racks, patch panels, coordination with communication service provider for new service, data drops location coordination, j-hooks and cable tray routing, audio visual system, fire alarm system, data center, specification of a 70kW UPS with sixty minutes of battery runtime, integration of lighting to the BMS (Building Management System).
- **City of Mission Streetscape Improvements**- Electrical Engineer of Record for the design of site lighting and power distribution for fourteen blocks downtown city of Mission. The design included photometric analysis using AEP's, the electrical service utility company, decorative lighting while complying with TxDOT standards.
- **De Leon Soccer Complex, City of McAllen Parks and Recreation, McAllen, Texas** - Electrical Engineer of Record and MEP Project Manager for a new recreational park with eleven soccer complexes, concessions building, restrooms building, and maintenance building. The design included walkways and parking lots site lighting, sports lighting, building's interior lighting, three electrical utility services for the complex, complex-wide electrical power distribution, complex-wide communication underground conduits for fiber and security camera monitoring, and power for the buildings.
- **City of McAllen Fireman's Training Park, McAllen, Texas** – Electrical Engineer of Record and Project Manager. Designed the sizing of the power service and lighting for a new fireman's training park. The site lighting required higher than conventional lighting levels for outdoor lighting, 5-ft candles average. Photometrics analysis was performed to allocate for the spacing and pole lighting type to meet the average foot candles requirements. The lighting controls were designed per owner requirements. Created the schedules for panels and electrical riser diagrams. The approximate project site is 123,500 sf.

PAUL J. RIELLY, PE, SE, SECB
STRUCTURAL ENGINEER

Paul Rielly is a senior structural engineer who joined Halff Associates in 1982 and currently has 38 years of design experience. His experience includes commercial, industrial, institutional buildings, bridges, and civil projects. He has provided structural design services for more than 600 projects located throughout the United States, Saudi Arabia, Korea, and Mexico. These projects have involved a wide variety of construction materials including structural steel, reinforced concrete, post-tensioned concrete, precast/prestressed concrete, reinforced masonry, soil, timber and fabric structures. Paul has served as the project structural engineer for projects with construction costs ranging from \$100,000 to \$80 million.

EDUCATION

Bachelor of Science/Architectural Engineering, University of Texas at Austin
Bachelor of Architecture, University of Texas at Austin

REGISTRATION

Professional Engineer, State of Texas
No. 61307
Structural Engineering Certification Board, Certification No. 2568-0708

EXPERIENCE

- **Cuartes Pump Station, Laguna Madre Water District, Cameron County, Texas**- Structural Engineer for the design of a 1,200-sf single-story, pump station located in a hurricane wind zone. Structural system is comprised of structural framing bearing on reinforced concrete masonry walls supported on a stiffened slab foundation.
- **Isla Blanca Park Improvements, Cameron County, Texas**- Principal Structural engineer for multiple structures located within a Coastal Zone V which is a Coastal High Hazard Area. These structures are subjected to extreme winds and high velocity wave action. Structures included a Multi-Purpose Building, an Administration Building, two Pavilions and a long span entrance sign. The building structures are concrete frames which are required to be elevated above the base flood elevation. The roof structure for the Administration Building and Pavilions are concrete flat plates.
- **Cuartes Pump Station, Laguna Madre Water District, Cameron County, Texas** - Structural Engineer for the design of a 1,200-sf single-story, pump station located in a hurricane wind zone. Structural system is comprised of structural framing bearing on reinforced concrete masonry walls supported on a stiffened slab foundation.
- **Bicentennial Boulevard Barrier Walls, McAllen, Texas** - Structural Engineering Project Manager of 6,650 linear ft. of cast in place concrete noise barrier walls to isolate a neighborhood from an adjacent major traffic arterial. The wall heights varied from 7 to 10 feet and the construction is comprised of a continuous concrete footing supporting a concrete stem wall with a decorative form liner. This project is on-going.
- **Franke Realtors Marina Village, South Padre Island, Texas** - Lead Structural Engineer responsible for the design and supervision of construction drawing production for two 100 feet 2-span bridges and a 300 feet 6-span bridge. Responsible for the design of slab beams, bents, and pile foundation systems.
- **The Shores Development, South Padre Island, Texas** - Structural Engineer responsible for design of approximately 2,500 lf of anchored FRP bulkhead in new residential and commercial development along lagoon waterfront.
- **Naval Air Station, Corpus Christi, Texas** - Structural Engineer responsible design of the replacement of 42-inch and 24-inch storm sewer seawall penetrations and repairs to an existing concrete seawall.

ROBERT L. SAENZ, PE, CFM, PMP
CIVIL ENGINEER

Robert Saenz joined Halff Associates in 2001, bringing 19 years of experience. He has experience in civil engineering, planning, design, project management, and construction management for both public and private clients. His extensive work with city, county, state, and federal agencies has given him insight into feasibility analysis, preliminary engineering, and project financing. Robert's project experience includes planning, master planning large developments, residential/commercial/industrial site development; new construction and rehabilitation of water and wastewater systems; new and rehabilitation of existing streets; hike and bike trails; floodplain and drainage improvements; and computer modeling and analysis of water distribution, wastewater collection, and stormwater collection and detention systems. Robert has developed favorable relationships with numerous local, state, and federal agencies that have contributed to the success of many of his clients' projects.

EDUCATION

Bachelor of Science/Civil Engineering
Texas A&M University (1986)

REGISTRATIONS

Licensed Professional Engineer
State of Texas – No. 82072 (1997)
State of Arizona – No. 55197 (2013)
State of Arkansas – No. 15800 (2013)
State of Louisiana – No. 38281 (2013)
State of Montana – No. 31084 (2014)
State of New Mexico – No. 21833 (2013)
State of Oklahoma – No. 26628 (2013)
State of Nevada – No. 27077 (2019)

Certified in Bridge Inspection, State of Texas
Certified Floodplain Manager – No. 0256-00N
Project Management Professional – No. 1767964

EXPERIENCE

- **Ocean Tower, South Padre Island, Texas** –Project Manager for the Civil Engineering components of this high-rise condominium project. Civil engineering scope included the preparation of an off-site utility plan, on-site utility plan, site grading plan, a drainage plan, a pavement plan and a dimension control plan for this high-rise development. The off-site improvements required extensive coordination with the local water and sewer provider (Laguna Madre Water District). The improvements included approximately 2,100 lf of gravity sewer. TxDOT utility permits were acquired that allowed the placement of Utilities within row and allowed for Open Cutting Park Road 100 in two separate locations. Extensive coordination was also required with the Environmental Firm for the preparation and processing of "Dune Mitigation" Permitting. On-site utilities required extensive coordination with our MEP department for proper sizing of utilities.
- **Silver Dunes Development, South Padre Island, Texas** - Project Manager for development of a utility master plan to serve this 50-acre master planned community located in South Padre Island. Specific tasks included the preparation of an engineering report along with a petition for annexation into the Laguna Madre Water District.
- **Marina Village, Section II, South Padre Island, Texas** - Project Manager for the engineering and development of this master planned community. The infrastructure design consisted of roadway design, sanitary sewer design, water distribution design, coordination of drainage master planning and design. Unique attributes of this project included the use of cement treated subgrade, and pavement surface comprised entirely of brick pavers.
- **The Shores Development, South Padre Island, Texas**- Project Manager and land development consultant for the engineering and development of 240-acre-tract, containing residential subdivisions and commercial sites in the development. The infrastructure design consists of major arterial, minor arterial, and local roadway design, coordination with the Laguna Madre Water District for approval of wastewater collection and waterline master plan and design, coordination of drainage master planning and design, coordination of land planning, coordination of interlocal agreements between the Town of South Padre Island and Cameron County. Designed projects have included roadway, water distribution lines, wastewater collection lines, lift stations, and storm systems. Responsible for platting and coordinating construction documents and obtaining approvals from regulatory agencies.
- **Los Corales, South Padre Island, Texas** - Project Manager for the civil engineering design for a high-rise condominium project located within the Shores Master Planned Community. Civil engineering scope included the preparation of a site dimension control plan, a pavement plan, a utility plan and a drainage plan. The pavement plan utilized a combination of brick pavers and a "Grass Paver" system that minimized impervious areas. Extensive coordination was required with the architectural firm and other specialized consultants.
- **Ashton Estates, Mission, Texas**- Project Manager for a 10-acre 34-lot development. Responsible for the layout and design of roadways within the proposed subdivision as well as platting and preparing the design for the subdivision layout, new streets, drainage, water distribution and wastewater collection systems, and grading. Also responsible for coordinating the preparation construction documents and obtaining approvals from regulatory agencies.

Experience







Cameron County Isla Blanca Park Improvements, South Padre Island, TX

**PLEASE SEE THE
FOLLOWING PAGES FOR
PROJECT EXPERIENCE**



Roberts Point Park New Constr. & Master Plan, Port Aransas, TX

CITY OF SOUTH PADRE ISLAND

Convention Center Additions & Renovations

South Padre Island, Texas



DESCRIPTION OF SERVICES

Additions and Renovations to existing South Padre Island Convention Center, including structural renovations around the perimeter of the facility, replacement of deteriorating structural elements, new color scheme selection, and renovations to the existing atrium. Gignac & Associates designed a brand new \$25 Million facility, as shown in the renderings above, which includes conference areas for large and small events, grand entry with shade structure, landscaping, and parking.

CLIENT REFERENCE

Darla Jones
City of South Padre Island
Assistant City Manager
4601 Padre Blvd.
South Padre Island, TX 78597
956-761-6456

PROJECT COST

\$25 / 4 Million

PROJECT SIZE

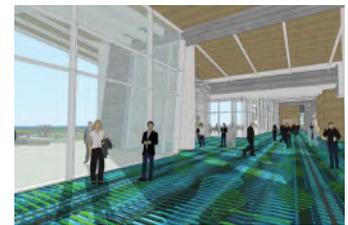
81,900 sf

PROJECT DATES

2013-2016

KEY PERSONNEL

Project Manager: Juan Mujica
Project Architect: Raymond Gignac, AIA, RID
Project Designer: Rolando Garza, AIA
Interiors: Carolyn James, AIA, RID



CITY OF SOUTH PADRE ISLAND

Multi-Modal Transit Station & Service Center

South Padre Island, Texas



DESCRIPTION OF SERVICES

Gignac & Associates is providing complete architectural services for the City of South Padre Island Multi-Modal Transit Center. Phase 1 shall include Park and ride concrete parking lot for 250 parking spaces, a bus drive including 6 bus berths, related flwork, and landscape and irrigation.

CLIENT REFERENCE

Jesse Arriaga
City of South Padre Island
Transit Director
3401 Padre Blvd.
South Padre Island, TX 78597
956-761-8176
jarriaga@myspi.org

PROJECT COST

\$ 5.1 Million

PROJECT BEGIN DATE

May 2013

DATE OF COMPLETION

May 2019

KEY PERSONNEL

Project Manager: Juan Mujica
Project Architect: Raymond Gignac, AIA, RID
Project Designer: Rolando Garza, AIA
Interiors: Carolyn James, AIA, RID







Isla Blanca Park Enhancements

SOUTH PADRE ISLAND, TEXAS

The project included design improvements to the existing pavilion and canopy at Isla Blanca Park in South Padre Island, Texas, which coincided with the existing Master Plan. Improvements include a multipurpose building, outdoor amphitheater, restrooms and rinse stations, concessions areas and BBQ areas, RV area improvements, events and attractions spaces, parking, and pavilions.

Sand Piper pavilion included lighted beachfront boardwalks with shade structure. The pavilion was constructed 200 feet landward from the original site, with a conservation system of dunes to protect the structure.

One of the most important elements of the design of Sand Piper Pavillion is the historical relationship with the park. In the 1960's, a curved shaded structure existed on the site, which was a popular hang-out spot and reprieve for locals and tourists during the hot coastal summers. The new design of the structure reimagined the old, with updated amenities and utilities.

Client

Cameron County

Key Personnel

Project Manager: Juan Mujica

Project Architect: Raymond Gignac, AIA, RID

Project Designer: Rolando Garza, AIA

Project Cost

\$29.9 Million- Isla Blanca

\$5.4 Million- Andy Bowie





Water's Edge Park Enhancements

CORPUS CHRISTI, TEXAS

As part of a Bond Program for the City of Corpus Christi, the Gignac Architects team designed Water's Edge improvements on Shoreline Boulevard between Furman Avenue and Buford Street. After the City cut off a portion of Shoreline Boulevard to divert it around the new park area, we designed the new park improvements with utilities, landscaping, driveways and parking lots for future pedestrian events. The park also includes a dog park, which is the first dog park in the City of Corpus Christi.

Client

City of Corpus Christi

Key Personnel

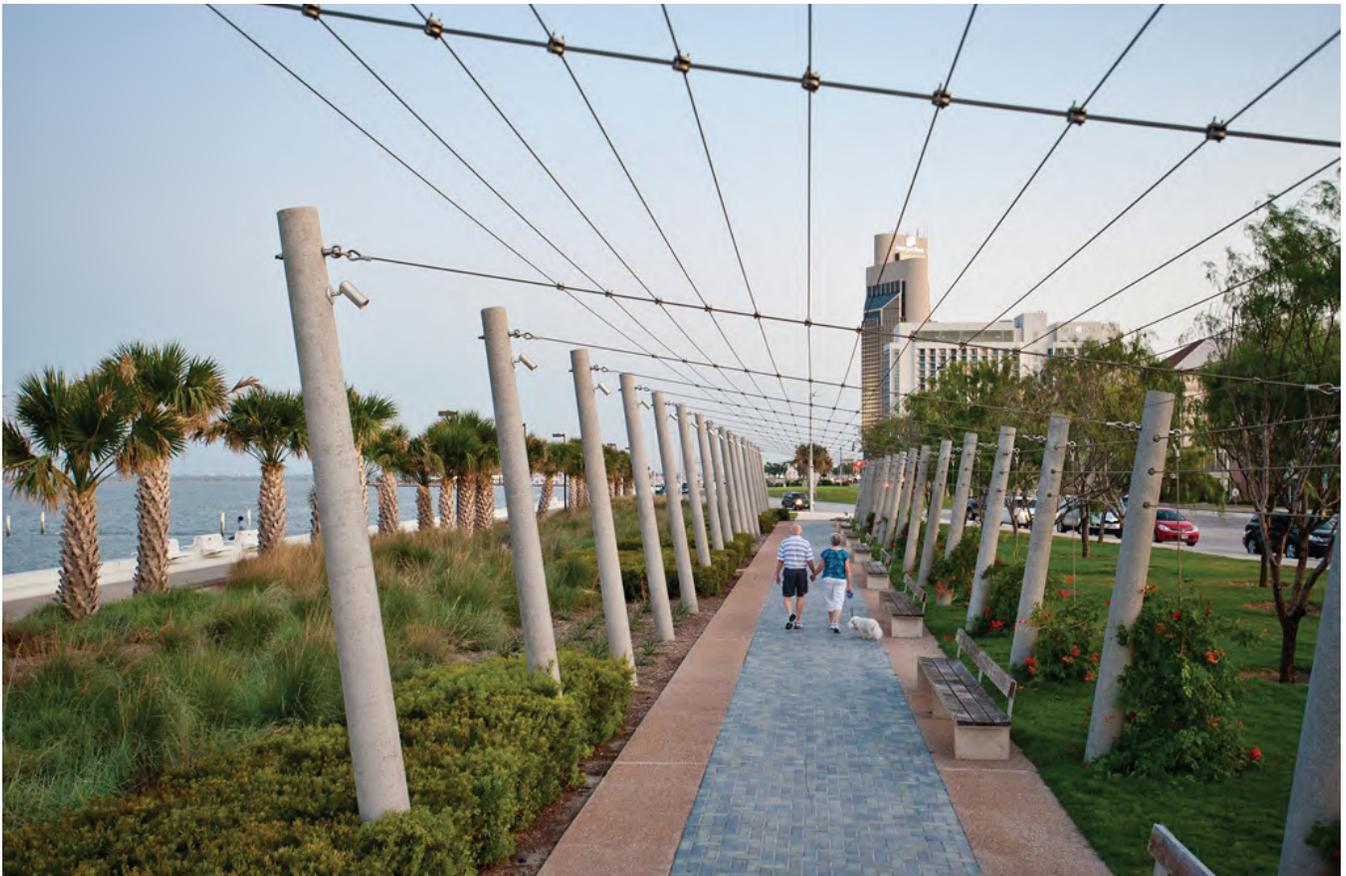
Project Manager: Nick Gignac, Assoc. AIA

Project Architect: Raymond Gignac, AIA, RID

Project Designer: Rolando Garza, AIA

Project Cost

\$ 5,792,326





North Bayfront Park Enhancements

CORPUS CHRISTI, TEXAS

Following a devastating Category Four hurricane in 1919, Corpus Christi filled a block into the Corpus Christi Bay to construct a seawall that would protect the community from future disasters. Since that time, the bayfront has been defined by Shoreline Drive—a wide boulevard designed primarily for automobiles—and provided limited spaces for pedestrians in the hot South Texas sun.

In 2004, Gignac Architects and a teaming firm prepared the overall master plan for the Corpus Christi bayfront—spanning from McGee Beach in the south to the ship channel in the north. The approved master plan called for the relocation of Shoreline Boulevard in order to accommodate green spaces along the water’s edge, thus creating the vision for the North Bayfront Park. Situated next to the American Bank Center Arena, North Bayfront Park is the first of a series of parks to be constructed from the master plan.

A key feature of the park includes an interactive fountain to attract children and families. Parents can sit at the adjacent café in the park, protected from the wind with glass windscreens, while watching their children play in the fountain. The café is shaded by fabric stretched between posts while groves of palms and mesquite trees will grow over time to provide shady spots in the park. An arbor is designed to support colorful Bougainvillea planting that shade a walkway leading to the fountain. The arbor fronts a parcel identified for a future restaurant included in the design to activate and program the park.

Client
City of Corpus Christi

Size
2.5 Acres

Scope
Master Planning, Landscape
Architecture, Complete
Architectural Services





Nature Preserve & Nature Trails

PORT ARANSAS, TEXAS

Gignac Architects designed a circuit of pedestrian trails and boardwalks through a nature preserve in Port Aransas, Texas. The project included shade pavilions and structures, wooden boardwalks, viewing platforms and overlooks, bridges, benches, and landscape design.

Client

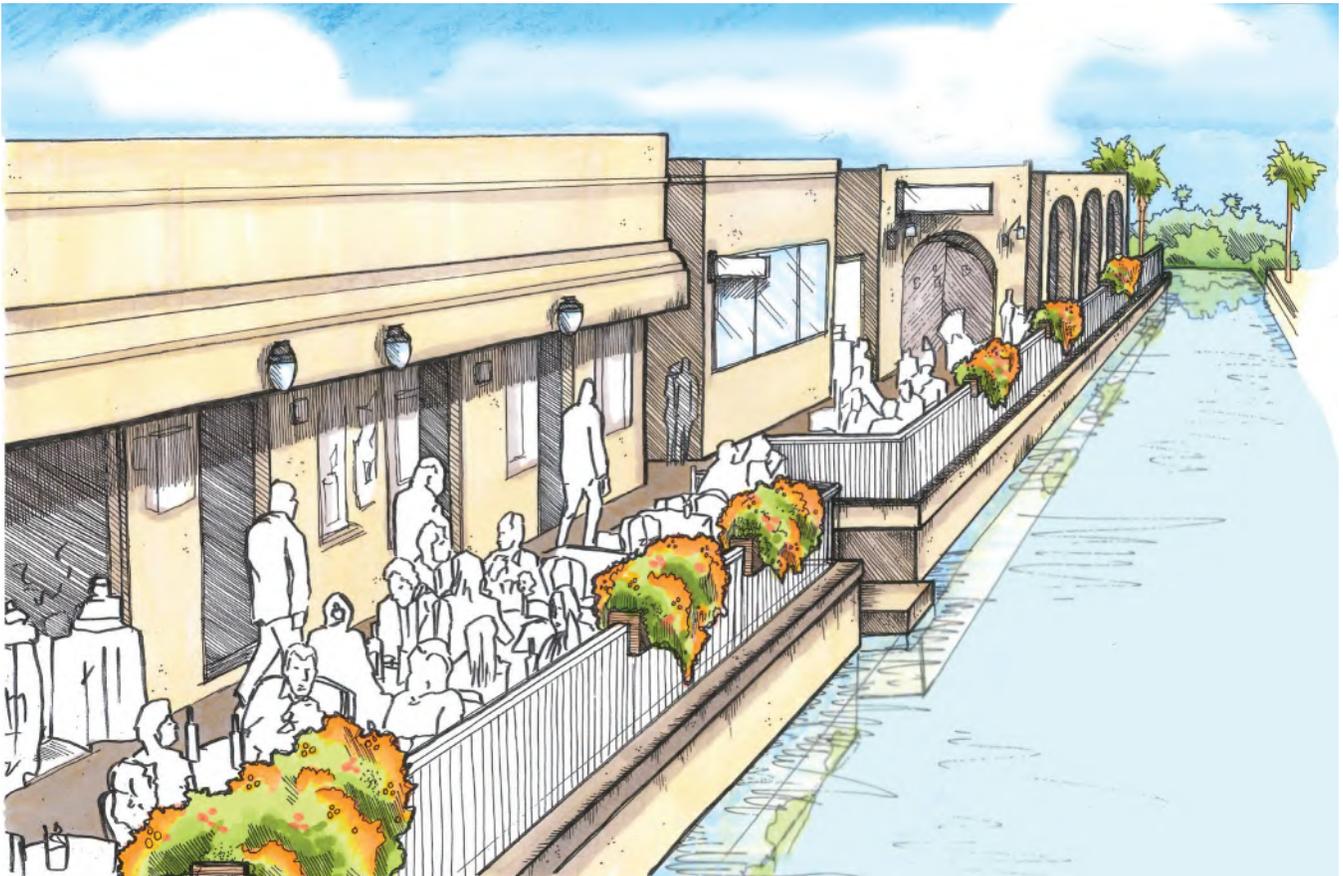
City of Port Aransas

Key Personnel

Project Manager: Carolyn James, AIA, RID

Project Architect: Raymond Gignac, AIA, RID





Resaca Walk Master Plan

SAN BENITO, TEXAS

Gignac Associates provided design services to develop a new Vision Plan for the City of San Benito, in association with SWA Group. The Project included site analysis and master plan development to establish the area as a gateway, destination, catalyst for economic development, and cultural heritage. The proposed site improvements included an event center, event lawn, waterfront promenade, canal, and retail shops, restaurants, and cafes.

Client
City of San Benito / San Benito Economic Development Corporation

Key Personnel
Project Manager: Juan Mujica
Project Architect: Raymond Gignac, AIA, RID

Project Size
9.87 acres





Marina Market & Waterfront Master Plan & Design

PORT ARANSAS, TEXAS

Gignac Associates worked closely with the City of Port Aransas and the design team to provide a Master Plan and Development Plan for the Marina Market and Waterfront Development. Our design team created a master plan for the project site to encourage tourism, retail and restaurant development in the area, and to accommodate other future growth for the community. The design included a fishing pier, harbor market, pavilion, family friendly amenities, parking, restrooms, and multi-functional space.

Client

City of Port Aransas

Key Personnel

Project Manager: Carolyn James, AIA, RID

Project Architect: Raymond Gignac, AIA, RID





Bay Education Center

ROCKPORT, TEXAS

The Bay Education Center and Laboratory project was a combined effort consisting of the City of Rockport, Texas, the National Oceanographic and Atmospheric Association (NOAA), and Mission Aransas, National Estuarine Research Reserve. The goal of the facility is to educate the public on the importance of estuaries, especially as they relate to the Texas Gulf Coast ecosystems. The facility houses a number of programs including the City of Rockport Parks Department offices, an aquatic science learning center and an exhibition space. The contractor for the project was procured through the CMAR method. The contractor and design team worked together throughout the project to ensure that appropriate systems and materials were selected for the building to withstand the gulf coast climate where the facility is located.

Client
City of Rockport / University of Texas

Key Personnel
Project Manager: Rolando Garza, AIA, LEED AP BD+C
Project Architect: Raymond Gignac, AIA, RID
Interior Designer: Carolyn James, AIA, RID

Record of Performance

E





E. DEMONSTRATE THE SUCCESS OF THE FIRM BASED UPON THE RECORD OF PERFORMANCE ON OTHER PROJECTS (BOTH CITY OF SOUTH PADRE ISLAND PROJECTS AND PROJECTS FOR OTHER ENTITIES)

Region One ESC Laredo Administration Building

Two Change Orders

1. Older facility's exterior brick masonry perimeter was not structurally attached to its structural components nor did it have adequate insulation to meet the current energy code. Design team developed a perimeter additional wall element that allowed both to structurally connect existing masonry to structure and properly insulate the perimeter to meet the new energy code especially in Laredo, TX.

2. Close out change order.

This will extend the life span of this older facility and will surely net energy costs in the Laredo heat.

Cameron County Isla Blanca Park Improvements

Two Change Order

1. Expansion to multi-purpose center. Upon completion of the project's first phase, the Owner learned that this facility could potentially serve as an event venue. We were asked to expand the thermally controlled spaces for increase the occupancy rate, provide for a ticketing venue, and highlight the natural environment of the facility's site.

2. Close out change order.

Innovative Solutions

For both projects listed above we focused on sustainable, local materials wherever possible to save costs throughout the project. The use of local products and materials helped save money for our clients because transportation and sourcing costs were minimized. The materials selected were also readily available when needed, which save time and prevented project delays.

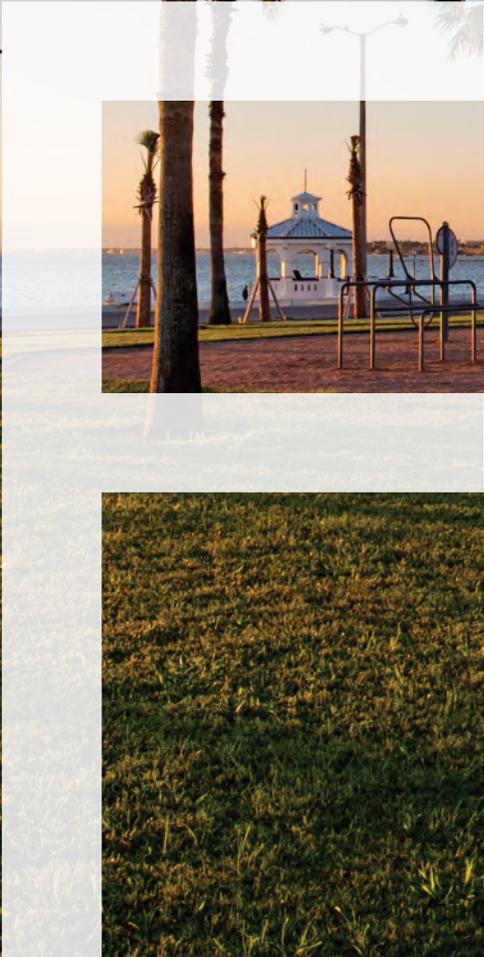
We also designed landscaping that fit the project locations, with local and sustainable vegetation. For Region One ESC Laredo, this decision minimized maintenance costs and reduces overall life cycle costs. For Cameron County Isla Blanca Park, this decision also minimizes maintenance and life cycle costs, and it ensures vegetative and ecological success for the delicate beach dunes environment where it is located.

Responsiveness & Commitment

The Gignac & Associates team has a local office that is easily accessible to the City of South Padre Island, as well as team members and field representatives that are on-site, or available in office, at any time if any questions or concerns come up. We encourage and ensure regular communication with all clients to make sure goals, needs, and architectural intent are understood and accomplished, and we commit to remaining available to our clients throughout the life of the project for any needs that may arise. We take pride in our client relationships and ensure continued involvement through the life of the projects. We do our very best to ensure that needs at project close-out are minimal so that our clients can focus on enjoying their new facilities, but we remain available if anything comes up. Many of our clients have been working with us for 10+ years, and we are proud to sustain such successful relationships.

Cost Estimating







COST ESTIMATING METHODS

Through our extensive experience working with public and private entities, Gignac Architects understands the budget factor and how to work within financial constraints. We have a history of meeting the budget considerations of our clients and to ensure that we meet these goals we provide cost estimating services at every phase of a project. If necessary, Gignac Architects has experienced cost-estimating consultants ready to provide detailed and accurate estimates for our clients.



Our team will provide detailed cost estimates, by CSI Division at each phase of the project including schematics design, design development, and construction documents or as requested by the our clients. We also require our sub-consultants to provide corresponding estimates as required.

One specific example of our ability meet budgets is the successful completion of the McAllen Convention Center, which cost the owner 1% less than was budgeted for the project (Total Project Budget of \$50 Million).



VALUE ENGINEERING

Although Gignac & Associates prefers to avoid the need for value engineering by designing to project budget, we understand that this process can be necessary in some situations. Our value engineering process involves dissecting a schedule of values and prioritizing in a “Cost vs. Return” matrix. Our goal is to get the best VALUE for the school district without comprising quality.

EXAMPLES OF PROJECTS IN-BUDGET

PROJECT	BUDGET	COST
Mathis ISD High School Add. & Renov.	\$11,000,000	\$10,234,592
LRGVDC Weslaco	\$3,011,550	\$2,997,725
Edinburg Region One ESC	\$11,500,000	\$11,300,000
Del Mar College Emerging Tech. Expansion	\$8,847,000	\$8,814,334
Faye Webb Elementary School Renov.	\$3,900,000	\$3,893,000
Hidalgo County Sheriffs Substation	\$3,400,000	\$3,379,000
La Joya ISD Police Station	\$12,700,000	\$12,691,000
McAllen Convention Center	\$50,000,000	\$49,297,000
CCRTA Admin Building	\$24,000,000	\$23,900,000
New Eagle Pass High School	\$14,000,000	\$13,693,000
New Janet Harte Library	\$1,490,570	\$1,424,700
Moises V. Vela Middle School	\$15,300,000	\$13,250,000
New Shaw Lozano Elementary School	\$8,600,000	\$8,580,000
New Faye Webb Elementary School	\$9,500,000	\$9,560,000
Eagle Pass Junior High	\$10,182,300	\$10,162,300
New Harlingen Elementary School	\$10,491,700	\$11,165,000
New PSJA Middle School	\$21,800,000	\$21,066,600

Workload & Schedules





SCHEDULE MANAGEMENT

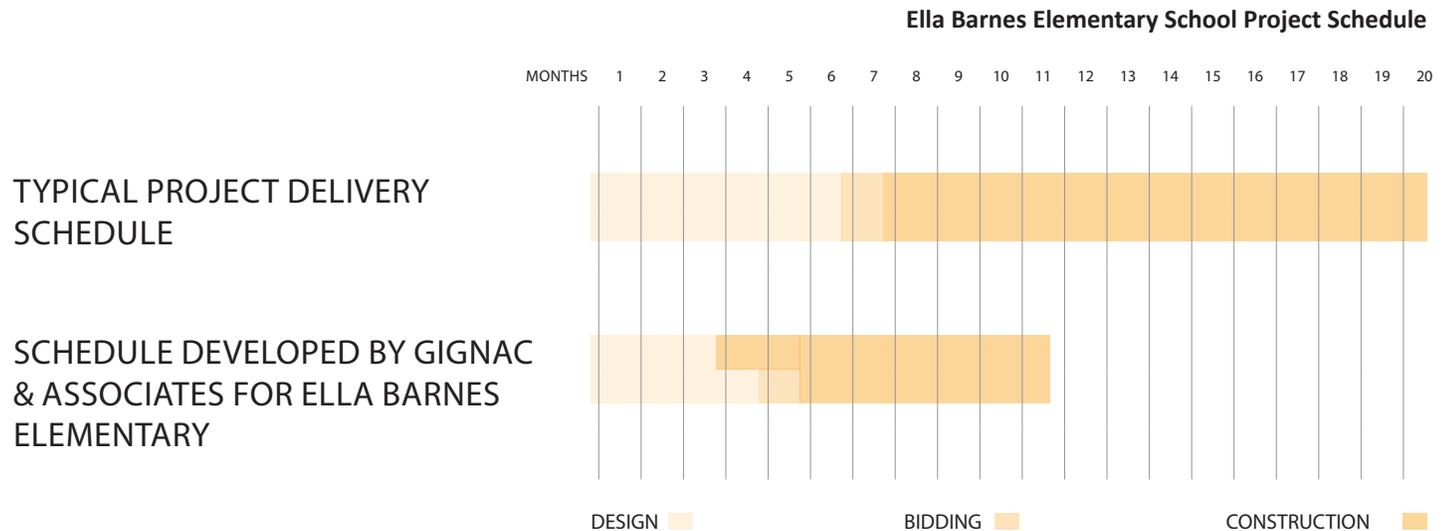
Gignac & Associates, LLP is continuously evaluating its workload to ensure we are allocating the appropriate personnel and resources. We can confidently state that we have the capacity to take on this project, with sufficient personnel and resources from inception to completion.

SCHEDULE MANAGEMENT

Gignac & Associates, LLP understands and accepts the responsibility for maintaining project schedules. We work with our clients to ensure your project milestones are met. Our team will be readily available to the client at every stage of the project. We will attend owner’s meetings regularly to update the project’s progression.

Gignac & Associates, LLP will maintain the design schedule established at the beginning of the project. We will document all meetings and distribute minutes to ensure that there is a clear understanding between all parties as the project progresses. Clear communication will help save time and avoid design “re-dos.”

Our firm is capable of working with the entire project team to adjust schedules to the client’s satisfaction. This includes “fast-tracking” projects or compressing schedules to meet owner deadlines. See the following example of a compressed schedule for a for a project completed for the Corpus Christi Independent School District.



Another method of compressing the project schedule and shortening project length would be through the method of releasing groups of drawings for bid and construction as they are completed, or using Early Release Packages (ERPs). With this method, our team could release the first completed set of construction documents, typically civil, site work, and foundation documents, as soon as they are completed. This means that a contractors can begin bidding and even begin construction, while the other parts of the building are being produced by our team.

Although the use of Early Release Packages requires dedicated project management and may require the use of a Construction manager, it can greatly reduce project length. Our firm successfully implemented this method with Veterans Memorial High School project, in Corpus Christi, Texas.

Gignac & Associates design and production team was able to adapt to the change in schedule by quickly and efficiently coordinating our subcontractors and their production schedules, hiring additional management and production personnel, and by coordinating early release packages of construction documents. This meant that our team was producing documents in the order that they were needed for construction and releasing these drawings before design was completely finished so construction could begin promptly. This project involved a total of 3 early release packages and turned this into a sort of design-build or fast-track construction project in order to meet the deadline presented by the owner.

In conclusion, we can guarantee that Gignac & Associates can make our team available, in nearly any situation, to meet owner deadlines and mobilize our resources to shorten design and production time when required.

PROPOSED SERVICES



ABILITY TO PERFORM THE WORK

The Gignac Architects team has over a century worth of combined design and construction management experience. Firm principal, Raymond Gignac, started the firm in 1988, and has almost 40 years of experience. In addition, our Senior Project Architect, Rolando Garza, and Senior Interior Designer, Carolyn James, each have 35 years of experience. Together, these three accomplished designers will lead the project team to ensure that all goals and specifications outlined and expected by the City of South Padre Island will be accomplished.

Gignac Architects has three office locations in South Texas: in McAllen, Harlingen, and Corpus Christi. With a project team of 20 experienced and skilled personnel in-house, and a successful team of sub-consultants, we have the experience and qualifications to perform services for all aspects of this RFQ. Juan Mujica, in charge of our McAllen office, will be the Local Project Manager for the project, and main point-of-contact for the City of South Padre Island, along with Assistant Project Manager Ana Luksa.

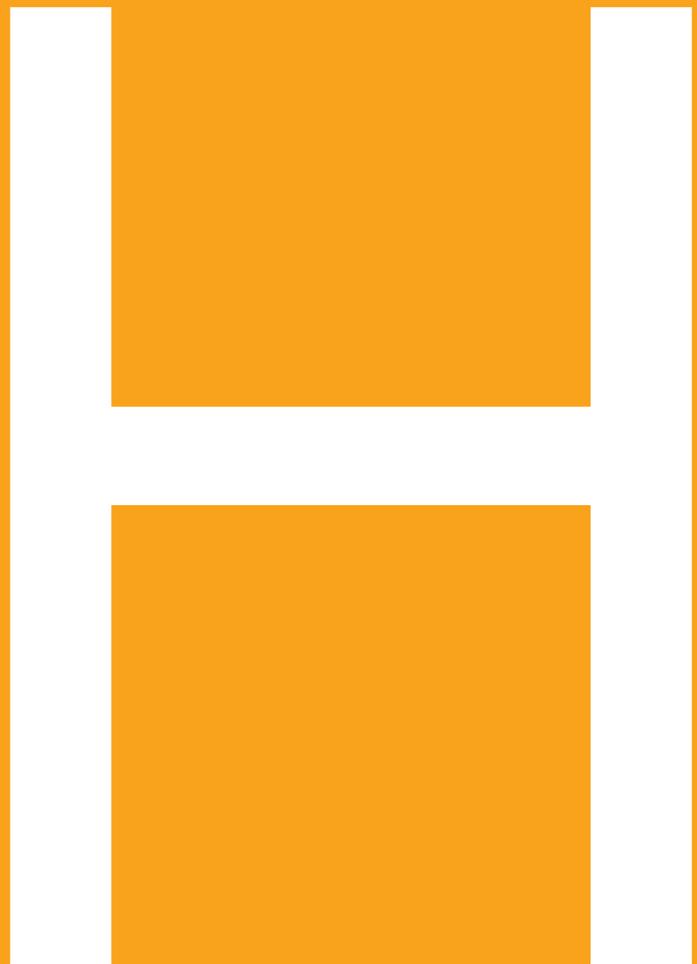
Our offices have full AutoCAD and REVIT capabilities, along with digital softwares and printing capabilities, to ensure that all design documentation can be communicated, accessed, and distributed to the project team efficiently. We will make all of our resources available to the project team in the design efforts required for these projects, and we can confidently state that we have the ability to perform all work under this RFQ.

CAPABILITY TO PROVIDE PROFESSIONAL SERVICES

The Gignac team has successfully completed over 600 projects for clients throughout Texas. We have a 98% success rate of completing projects on-time and in-budget. Although many organizations are noticing the effects of the national pandemic of COVID-19, we work closely and collaboratively with all of our clients to ensure regular communication and efficiency. We do everything in our ability to ensure that project milestones are met, and coordinate regular project meetings with our clients, at an interval suitable to the client, the design team, and the project's needs. Below, please see a brief list of some recent projects that we have completed, along with their completion dates:

PROJECT	EXPECTED COMPL. DATE	ACTUAL COMPL. DATE
CCISD Baker Middle School	August 15, 2019	August 15, 2019
CCISD Cunningham at South Park MS	December 31, 2019	December 31, 2019
Harmony Public Schools Addison Campus	June 20, 2020	June 20, 2020
Triple Health Services Retail Center	October 15, 2020	October 12, 2020
ECISD Austin Elementary School	February 15, 2018	February 16, 2018
Diocese of Corpus Christi St. Cyril Parish	March 30, 2019	March 30, 2019
Coast House Renovations	October 1, 2018	Sept 30, 2018
ESC Region One Laredo Admin. Bldg	March 15, 2020	March 15, 2020
Isla Blanca Park Renovations	July 20, 2019	July 20, 2019
Harmony Public Schools Brownsville	August 15, 2017	August 15, 2017
Water's Edge Park Design Build	April 1, 2018	April 1, 2018
Atlantic Lofts	May 15, 2008	May 15, 2008

Project Approach





PROJECT APPROACH

Gignac | Architects understands that this approach may need to be adjusted slightly to meet the needs of the City of South Padre Island.

Step 1: Consultation

The first order of business is listening. The objective in mind is to fully understand your goals and budget considerations.

Step 2: Visual Observation

A site survey is conducted to understand space and any potential problem areas.

Step 3: Diagnostics

Based on the visual observations we can recommend further testing to evaluate conditions not seen by the naked eye.

Step 4: Problem Identification

The expertise of our field representative and technical service personnel, enables us to identify concerns and offer solutions.

Step 5: Develop Functional Requirement of the Project

This step includes defining the users and specific programming elements and scenarios of the facility.

Step 6: Recommendations & Budgeting

Once the project parameters are known, we are able to present schematic design options with cost-benefit analysis so that long and short term needs can be considered. The process of design begins with our on-site design charrettes with the clients and the entire design team.

Step 7: Customized Project Specifications, Plans and Details

The correct design for each unique project, along with the proper details, is provided in a standardized format to insure consistent quality. This plan will be built to meet all of the functional needs of the project, developed in step 5.

Step 8: Certified Contractor Recommendations

To assure that designs are properly and correctly applied, contractors who are certified or approved are recommended.

Step 9: Project Management

Pre-bid meetings, pre-construction conferences, progress meetings, roof inspections, and field progress reports are all a part of the management process used to facilitate and insure proper construction on each and every project.

Step 10: Final Review and Close-Out

Design team representatives provide a final walk-through and punch lists and insure proper design and construction standards and codes have been followed. Upon final completion a report summarizing the project from start to finish is provided.

Step 11: Quality Assurance Program

Throughout the entire design and construction of the project, the Gignac & Associates team conducts regular and periodic design & construction review meetings with any design team sub-consultants that are needed for the project, or with the contractors, to insure that the project is progressing successfully, and that all standards and codes are met. Our team ensures that all design criteria are met and designed to within our specifications to meet the specific requirements of the project.

Bonus: Local Office

The Gignac & Associates team has a local office that is easily accessible to clients, as well as team members and field representatives that are on-site, or available in office, at any time if any questions or concerns come up. We encourage and ensure regular communication with all clients to make sure goals, needs, and architectural intent are understood and accomplished.

*Our comprehensive commitment to providing the best possible architectural and engineering design services begins with our **ON-SITE DESIGN CHARETTES.***

Through this process we forge a long-term relationship with our clients centered on an open dialogue, communication, and understanding of the goals and objectives. From there, we provide inspection and analysis, if required, which enable us to create design solutions specific and unique to the project at-hand. The open dialogue and understanding from the very beginning of the project insures continual communication throughout the life of the project, and makes sure that the client is comfortable with the design team and knows that the goals are being understood and accomplished.

The unique capabilities of the design team and the extensive capability of services we provide allow us to create designs that take all factors into account, including unique site obstacles, windstorm and hurricane standards, daylighting, accessibility, etc. With Design and Construction Peace of Mind as our ultimate desire, your needs and goals are placed first. Gignac & Associates will provide the best possible design & engineering solutions to insure that we meet and even exceed your expectations.

Standard Form of Agreement

Gignac Architects does not foresee any
required changes to the Agreement
at this time.



“Gignac & Associates will work through budget challenges, resolve disagreements and achieve ultimate project success for your school district, contractor and taxpayer ... Mr. Gignac and his team have always been available and responsive partners, ready to update our Board of Trustees at any time and always being attentive to board requests.”

John Longoria

Corpus Christi ISD

GIGNAC | ARCHITECTS
3700 N. 10TH ST | McALLEN, TEXAS 78501 | TEL: 956.686.0100 | FAX: 956.622.7313
www.GIGNACARCHITECTS.com



STATEMENT OF QUALIFICATIONS

PROFESSIONAL SERVICES FOR
WHITECAP CIRCLE BEACH
ACCESS IMPROVEMENTS
PROJECT #2020-SL03



OCTOBER 6, 2020



LETTER OF TRANSMITTAL



October 6, 2020

Angelique Soto
City Secretary
City of South Padre Island
4601 Padre Blvd.
South Padre Island, TX 78597

Subject: **RFQ 2020-SLO3: PROFESSIONAL SERVICES
FOR WHITECAP CIRCLE BEACH ACCESS IMPROVEMENTS**

FIRM'S RESPONSIBLE OFFICE

Hanson Professional Services Inc.
789 East Washington St
Brownsville, Texas 78523

POINT OF CONTACT

Paolina Vega, P.E.
Project Manager
956-541-1155
PVega@hanson-inc.com

Dear Ms. Soto:

The City of South Padre Island needs a supportive and experienced engineering consultant to provide solutions to the City's coastal projects. Hanson Professional Services Inc. is that consultant. Hanson (as Naismith Engineering) has served the Rio Grande Valle since 1999.

Hanson has many years of experience in dune walkovers, beach access, dune permitting, shoreline stabilization, coastal park development and enhancement in South Texas, as well as in other coastal areas. We are very familiar with the City of South Padre Island. We have completed many successful coastal projects for the city and the surrounding Counties. We are proud to currently assist the City with their Wind and Water Sports Park Improvements project.

Hanson is the largest regional engineering firm in South Texas, with more than 70 professionals in architecture, engineering, surveying, environmental evaluations and developing successful financing packages. With offices in Brownsville, Corpus Christi, and Austin, Texas, Hanson is positioned to provide timely responses to the City and has experience with various municipal projects in the Rio Grande Valley and Cameron City. Projects will be managed from our Brownsville, Texas office.

Hanson looks forward to working closely with the City to ensure all requirements are met and that this project is completed in a timely manner, within budget. We take a great amount of pride in our recent work with the local public and private agencies and our ability to provide the highest quality professional services to the area. We appreciate the opportunity to submit our qualifications to the City.

Sincerely,
Hanson Professional Services Inc.

Wilfredo Rivera, Jr.
Vice President



TABLE OF CONTENTS

A	FIRM INTRODUCTION
3	Brief Profile
5	Organizational Chart
B	PROPOSED PROJECT MANAGER
6	Project Manager
C	PROPOSED TEAM
7	Project Team
D	SIMILAR PROJECTS
15	Similar Projects
E	RECORD OF PERFORMANCE
18	Projects with South Padre Island & Other Entities
F	COST ACCURACY
21	History of Cost Estimate
G	WORKLOAD & CAPACITY
23	Team Capabilities & Schedule
H	PROPOSED APPROACH
24	Project Approach

FIRM INTRODUCTION



Brief Profile

Hanson has a long-standing, proven history of supporting and managing municipal projects. Hanson is an acknowledged leader in the civil, structural, and environmental engineering business in South Texas. The local personnel have worked on multi-disciplinary projects throughout Texas and the United States, developing a keen sense of client needs, constraints, and working philosophies. Currently Hanson employs over 400 professionals throughout 28 offices. In South Texas, the Hanson team includes more than 60 employees consisting of Engineers, Architects, Surveyors and Environmental Professionals. Due to the experience of the team and of the proximity to the City of South Padre Island, the Brownsville office will be the main point of contact should Hanson be selected for this proposal.

Hanson is an acknowledged leader in the structural, civil, and environmental engineering business in South Texas. Hanson offers expertise in all facets of project development including preliminary planning, cost estimating, grant administration, permitting, design, producing construction documents, and construction management. Our depth in experienced staff assures that we have the resources to successfully deliver projects.

As a full-service consulting firm, Hanson provides a variety of services including:

- **Surveying:** Hanson's Corpus Christi based survey team is well known and respected throughout South Texas for their ability to complete the job efficiently with a high degree of precision
- **Planning & Management:** planning; surveying; project management; program management; GIS and data management; and land acquisition
- **Environmental Services:** wetland delineations, Section 404 permitting, dune permitting, mitigation plans, endangered species and nesting birds surveys
- **Engineering:** structural, design, geotechnical, electrical, mechanical, and technological with specialization in coastal environments
- **Green Initiatives:** building commissioning, LEED design and Envision sustainable design
- **Construction & Project Delivery:** construction observation; construction administration; system commissioning; design-bid-build; design-build; and construction management



FIRM INTRODUCTION



Capability in Civil Engineering

Hanson can provide complete civil engineering services for projects similar to ones proposed within the RFQ. The following list a portion of the civil engineering capabilities important to the project:

- Preparation of preliminary and final plats
- Construction administration and inspection
- Water distribution pump stations
- Water distribution system piping
- Supervisory Control and Data Acquisition (SCADA)
- Wastewater collection system piping
- Lift stations and pumping facilities
- Master planning and system evaluations
- Stormwater hydrologic and hydraulic modeling and design
- Drainage system planning and design
- Floodplain delineation and mapping
- FEMA map revisions and amendments
- Flood control structures
- Transportation planning
- Route studies and schematics
- Bridge design
- Pavement design
- Roadway Geometric design
- Signalization and signage
- ADA accessibility assessment and design

Land Surveying

Hanson's professional surveyors have the technology, training and experience to address your surveying needs. From industrial sites and communication towers to airports, railways and highways, our team has the hands-on experience to help you accomplish your unique goals. Our surveyors use current surveying technology such as robotic total stations, UAV (drone) imagery and Virtual Reference Station (VRS)-enabled global positioning technologies. These resources allow us to communicate in real time between the field and our office, processing your information efficiently and effectively.

Hanson has trained and experienced personnel to accomplish the work as required and maintain delivery of quality products in a timely schedule. We are capable of furnishing survey field crews to work on several task orders simultaneously, ensuring that projects are completed on time and within budget. Hanson has a full survey crew within the Corpus Christi office for local projects in South Texas.

Wetland Delineation and Regulatory Permitting

Due to our locations in Brownsville and Corpus Christi, our scientists have tailored expertise to the ecosystem and issues of the South Texas coast. Our staff includes environmental personnel with expertise in biology, ecology resource management, chemistry, environmental engineering, and geology. Our diversity allows us to, provide practical, timely and effective solutions to your environmental challenges. Locally Hanson employees a number of biologists that have been trained to conduct wetland delineations in accordance with U.S. Army Corps of Engineers (USACE) guidelines and protocol.

Our combination of experience and quality have allowed us to establish a positive working relationship with USACE which will prove beneficial should this project move to a regulatory permitting phase.

GIS Services

Hanson has provided GIS services to public and private sector clients for more than 15 years. We have experience in all aspects of GIS, including field data collection, custom application development, and finished map and atlas production. Hanson has extensive experience in a variety of GIS software packages including ESRI's ArcGIS Server, ESRI's ArcGIS Desktop, and ArcCAD. These software packages are used on high-performance systems, which provide for the best possible performance and productivity.

FIRM INTRODUCTION



Paolina Vega, P.E.
Project Manager
Hanson Professional Services



Wilfredo Rivera Jr., P.E.
Project Principal
Hanson Professional Services



**Rick Riggins, P.E.,
R.P.L.S.**
**Survey
& Engineering**
*Hanson
Professional Services*



Harrison McNeil
Environmental
*Hanson
Professional Services*



Colton Phillipp, P.E.
Drainage
*Hanson
Professional Services*



Craig Thompson, P.E.
Engineering
*Hanson
Professional Services*



Lewis Shrier, P.E.
Structural
*Hanson
Professional Services*



Ruben Peralez, P.E.
Structural
*Hanson
Professional Services*



Sarah DeBerry, EIT
Engineering
*Hanson
Professional Services*



PAOLINA VEGA, P.E., C.F.M.



Located in Hanson's Brownsville office, Ms. Vega provides over 16 years of experience in planning, permitting, design, and construction for a wide range of public sector projects. Ms. Vega's projects include stormwater design and permitting, street improvements, water, and wastewater. Projects have required permitting and funding coordinating with numerous state and national agencies.

Representative Project Experience:

- **South Padre Island Wind and Water Sports Park** Project Manager. The project consists of the engineering design of three parking lots, restroom facilities, and access road to be used to access the bay for wind and water sports. Specific services include preparing plans and specifications, coordinating surveying and geotechnical needed for improvements, and coordination with US Army Corps of Engineers (USACE) and GLO.
- **Cameron County Erosion Response Plan** County Engineer. The project consisted of the preparation and development of the county's erosion response plan. The plan and requirements identified adequate beach access points, determined requirements to assure the integrity of the beach and dune system, listed mitigation options, established beach user fee revenues, determined building set back lines and desired dune characteristics. Management of public hearings and coordination with the Texas General Land Office (GLO) was required. The project was completed during time served as County Engineer and in collaboration with the County's Park Director and Legal Counsel.
- **Environmental Assessment Report for Wastewater and Water Improvements for City of Santa Rosa (USDA)** Project Engineer. Prepared an Environmental Assessment report for water and wastewater improvements for the City. The improvements extended wastewater service to existing residential areas surrounding the City and within their sewer CCN, providing first-time sewer service. To meet the increased wastewater demands due to the collection improvements the City's wastewater treatment plant treatment capacity was increased.
- **Environmental Assessment Report for the Los Fresnos Nature Park** Project Engineer. The project consisted of preparing an Environmental Assessment report for the proposed Los Fresnos Nature Park. The nature park is comprised of 23 acres within the city limits of Los Fresnos, Texas. Improvements included enhancing native habitat, providing 5,000 linear feet of walking trails, a wooden pier, drainage improvements, restrooms, two gazebos, an amphitheater, and an educational outdoor classroom. Project was funded by the Texas Parks and Wildlife Department.
- **Hurricane Dolly Disaster Assessment** Project Manager. The project included the assessment of damage caused by Hurricane Dolly within the city limits of Los Fresnos, Texas. Specific services included performing the windshield inspections, site assessments and preparing required forms for FEMA aid application. Damage costs were estimated at \$220,000.
- **Willacy County Housing Rehabilitation Project Funded by Texas Department of Housing & Community Affairs (TDHCA)** Project Engineer. The project consisted of the repair and reconstruction of residences affected by Hurricane Dolly within Willacy County. Specific services included Environmental Assessment, setting up accounts with funding agency, construction management, and coordinating with the Texas GLO.
- **City of Los Fresnos SH 100 Drainage Improvements** Project Engineer. The drainage improvements included installing 288 linear feet of 48-inch reinforced concrete pipe underneath SH 100 by open cut, two concrete headwalls, and installation of 100 linear feet of pedestrian guardrails. Specific services included preparing 100% Plans and Specifications, coordinating all of the surveying and geotechnical needed, construction management, and coordination with TxDOT and Cameron County Irrigation District No. 6.



EDUCATION

M.B.A.,
University of Texas
Brownsville

B.S., Civil Engineering,
Texas A&M University
College Station

YEARS OF EXPERIENCE

16

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #113357

Certified Floodplain Manager, #3281-
17N

PROFESSIONAL AFFILIATIONS

Chi Epsilon Engineering Honor Society

Leadership Brownsville

Rotary International Club

Brownsville Junior Service League

TECHNICAL PRESENTATIONS

American Beach and Shore
Preservation Association 2018 National
Conference Presentation – "Cameron
County Coastal Park Improvements:
Challenges and Partnerships"

WILFREDO RIVERA JR, P.E.



Mr. Rivera has 29 years experience in general Civil Engineering Design and Project Management. Including water systems, wastewater systems, stormwater systems, transportation systems and site development.

Relevant Transportation Project Experience:

- Residential Street Rebuild Program, City of Corpus Christi
- Staples Street-Morgan to Antelopes
- Gollihar Road, City of Corpus Christi – Weber to Staples. 5,000 LF of 5-lane roadway and utility upgrades.
- Cliff Maus Drive Phase 1A, 2 & 3, Corpus Christi, Texas. 4000 Linear Feet of new 3-lane roadway & utility upgrades.
- Yorktown Extension Project, City of Corpus Christi. 4,500 Linear Feet of a new boulevard section & utility upgrades.
- Horne Road Improvements. 1000 Linear Feet of a 5-lane roadway and utility upgrades.
- Staples Street – Morgan to Antelope, City of Corpus Christi. 7,000 LF of 5-lane roadway and utility upgrades.
- CR 52 – CR 69 to 1889, City of Corpus Christi. 2,400 LF of new 3-lane County Roadway with Roadside Swales.

Relevant Storm Water Project Experience:

- Oso Creek Watershed Study, City of Corpus Christi. H/H modeling of Oso creek to evaluate methods for lowering the water surface profile.
- Nueces County Drainage Master Plan. Development of a County Wide Drainage Master Plan.
- Williams Drive Drainage Basin, City of Corpus Christi. Williams Drive Phase 1&2 project, completed the H/H calculations and design of the storm sewer and outfall ditch. 1000 acre basin.

Relevant Waste Water Project Experience:

- Williams LS Gravity Line Upgrades. Major By-pass system while replacing large diameter force main, gravity lines, manholes and control structures.
- Clarkwood LS & Force main. Modifications to LS piping and construction of 10,000 LF of 12" Force Main.

Relevant Water Project Experience:

- 50,000 LF of 30" Raw water transmission line, City of Fort Stockton
- Raw Water Line, 110,000 LF of 42" and 36" Raw Water Transmission Line for the San Patricio Municipal Water District.
- 185,000 LF Waterline, 83,000 gallon ground storage tank, 200,000 gallon elevated storage tank, 5 pumps for the Rural East Waterline project for the Rincon WSC.
- Violet WSC System Upgrades including pump stations and ground storage tanks



EDUCATION

B.S., Civil Engineering,
Texas A & I University
Kingsville

YEARS OF EXPERIENCE

29

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas,
#81549

TxDOT Pre-Certified in Design

PROFESSIONAL AFFILIATIONS

National Society of Professional
Engineers

American Society of Civil Engineers

American Water Works Association

Water Environment Association of
Texas

RICHARD A. RIGGINS, P.E., R.P.L.S.



Mr. Riggins has 39 years' experience in general civil engineering, design, surveying and project management in Hanson's Brownsville office. Which includes subsurface utility design and location. His experience also includes railroad ROW site D mapping, highway/street ROW, strip mapping and acquisition. Easements acquisition, street and road construction subdivision design for a wide range of projects.

Relevant Project Experience:

- **BMRSD Emergency Clinic Site work:** Paving, Drainage, and Utilities Design
- **Sunny Glenn Childrens Home:** Site work, Paving, Drainage, and Utilities Design
- **Popeye's Restaurant, Pharr, Texas:** Site work, Paving, Drainage, and Utilities Design
- **Popeye's Restaurant, San Benito, Texas:** Surveying, Site work, Paving, Drainage, and Utilities Design
- **Brownsville Independent School District:** Site Surveying, Building Layout and Assistant Superintendent for Performing arts Building.
- **Edinburg Independent School District:** Site Surveying, Building Layout for Performing Arts Buildings.
- **Brownsville Health Clinic:** Site Surveying, Building Layout for Health Clinic Building.
- **University of Texas Brownsville Health And Science Building:** Site Surveying, Building Layout for Health and Science classroom and laboratories Building.
- **Texas A&M University Kingsville:** Site Surveying, Building Layout for Recreational and Health Building
- **City of Brownsville, Dean Porter Park:** Site work, Paving, Drainage, and Utilities Design
- **City of Alton Josefa Memorial Park:** Site work, Paving, Drainage, and Utilities Design
- **Texas Southmost College Bookstore:** Paving, Drainage and Utilities Design
- **City of Brownsville:** City Street Paving and Drainage Projects Design
- **Brownsville Public Utilities Board:** Force main and Lift Station Design
- **Boardwalk Condominiums, South Padre Island, Texas:** Site work, Paving, Utilities Design, and 404 Permitting and Wetlands Design.
- **Louies Backyard, South Padre Island, Texas:** 404 Permitting
- **Town of Rancho Viejo:** Paving & Drainage Projects Design.
- **Port of Brownsville:** Paving and Drainage Design
- **Brownsville Independent School District:** Parking Lot Design
- **Lakeway Subdivision Section One:** Subdivision Design
- **Town North Sections One and Two:** Subdivision Design



EDUCATION

B.S., Zoology
Texas A&M University
College Station

B.S., Civil Engineering
Texas A&M University
College Station

YEARS OF EXPERIENCE

38

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #56304

Registered Professional Land Surveyor
- Texas, #5446

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

CRAIG THOMPSON, P.E.



Mr. Thompson has more than 20 years of experience managing numerous Site Development, Stormwater, and Municipal engineering projects. Specifically, his experience includes stormwater management planning, modeling and design, land development projects, water and wastewater and system analysis and design. During the past several years Mr. Thompson has designed and managed numerous public stormwater projects across South Texas.

Recent Project Experience:

- **Aransas County Stormwater Management Plan** Mr. Thompson was the Project Manager for the county's initial stormwater management plan from a single-page policy statement. Mr. Thompson developed a comprehensive, integrated plan and design criteria manual for the county. Considering the "3-legged stool concept", the plan includes water quantity, quality, and ecologic considerations and criteria. The plan is held up by numerous entities as the quintessential coastal stormwater management guide. Stormwater modeling included HEC-HMS, HEC_RAS, Flo-2D, and Interconnected Pond Routing (ICPR). Numerous projects resulted from the plan. Hanson was there to assist with them, including:
 - **Mesquite By-pass** – Major stormwater outfall (2 – 60" HDPE)
 - **Sediment Pond** – to limit sediment transport into Little Bay
 - **Upper Tule Improvements** – to increase capacity, limit bank erosion
- **Laguna Point Recreation Area (LPRA)** Mr. Thompson was the Project Manager for a coastal park located near the Laguna Madre in Port Mansfield. The project components involved roadway improvements for public access, control of public access via a bollard and cable system, a nearly 600-foot lit public pier, natural resource conservation, a restroom with utilities, a playground, bird watching pavilion, and other recreational improvements.
- **City of Ingleside 2016 Bond Projects** Mr. Thompson was the Project Engineer for the city's 2016 Bond Projects including major stormwater upgrades for the Westlake Outfall, Lovers Lane Drainage Improvements, and the Avenue B Outfall. The Avenue B Outfall included concrete lined channels, large box culverts and road crossings for an outfall that drains over 200 acres of neighborhoods and schools. HEC-HMS and HEC-RAS models were developed to understand the existing conditions, required improvements, and their impacts of flooding throughout the watershed.
- **City of Ingleside Houghton Improvements** Mr. Thompson led the stormwater design efforts for a complete neighborhood re-development project. This 70-acre neighborhood was developed almost 100 years ago with only minor drainage facilities. The project included a new major outfall and underground facilities throughout the neighborhood. The project utilized HEC-HMS to hydrologically model the neighborhood and other contributing areas, HEC-RAS to model the outfall channel and the SSA AutoCAD Civil 3D add-on to hydraulically model the proposed underground drainage network.
- **Land Development Projects in South Texas w/ Detention Facilities**

Mr. Thompson has been the project and design engineer on dozens of site development projects in south Texas including the following:

 - **Park PID** – Light Industrial Park, 45 Acres (overall)
 - **Lakes at Northwest** – Residential, with 4 interconnected pond
 - **The Cove Apartments** – 20 acres, 2 outfalls with distributed ponds



EDUCATION

B.S., Civil Engineering,
Texas A&M University
College Station

YEARS OF EXPERIENCE

23

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas,
#89496

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers,
Texas Section, President 2016-2017

HARRISON MCNEIL



Mr. McNeil has been exposed to multiple facets of environmental science as they pertain to the coastal ecosystems. Both academically and professionally he has more than seven years of experience studying the Gulf Coast and its resources. Mr. McNeil is especially well versed in coastal wetlands habitat and geospatial analysis via ArcMap. Most recently he has been responsible for hosting public meetings and developing environmental plans for local government.

Relevant Project Experience:

- **Gulf Street Walkway expansion, City of South Padre Island, TX.** designed improvements to existing wooden walkway at the North end of Gulf Blvd. Pursued ADA variance in order to meet ADA requirements to minimize land constraints with surrounding property owners.
- **Sunset Beach Dune Walkover, City of South Padre Island, TX** Designed dune walkover to improve public beach access using existing walkway. Currently pursuing Texas GLO dune permit for structure. Overall configuration was modified to meet both ADA and GLO requirements.
- **West Palm Street Boat Ramp, City of South Padre Island, TX** Designed expansion of public boat ramp in order to allow for larger vessels to utilize the ramp. Obtained Nationwide permit for minor dredging and letter of permission for access piers.
- **Windsport Venue Preliminary Design and Meetings, City of South Padre Island, TX** Developed preliminary design of windsport venue layout working with city officials and current windsport stakeholders Presented design to UASCE and USFWS to determine level of permitting and mitigation effort that would be required to successfully build venue with minimal environmental impacts.
- **Padre Balli County Park.** Planned and led delineation for 36 acre portion of Nueces County Coastal Park on North Padre Island as part of a collaborative mitigation plan with land developer.
- **Lake Padre Development, Padre Balli Mitigation, Corpus Christi, TX.** Planned the delineation field work utilizing ArcMap for Padre Balli County Park.
- **TBK Bank Delineation.** Assisted in the delineation of 25 acres of land on Mustang Island for interdunal swales. Converted survey data into delineation exhibits for client report.
- **Double Oak.** Assisted in the wetland delineation using wetland-upland mosaic method to evaluate over 330 acres of property along the Texas Intracoastal Waterway, for tidal wetlands and depression drainage related wetlands.
- **Cameron County Beach Monitoring.** Conducted bird use surveys on South Padre Island beaches for Cameron County to fulfill special condition requirements of Beach Nourishment permit
- **Nueces Delta Landform Modification.** Conducted wetland delineation and identified habitat types within the Nueces Delta related to constraint analysis for proposed freshwater circulation landform modification. Developed exhibits based on surveyed data for habitat types.



EDUCATION

B.S., Ocean and Coastal Resources
Texas A&M University
Galveston

M.S., Marine Resource Management
Texas A&M University
Galveston

YEARS OF EXPERIENCE

7

PROFESSIONAL REGISTRATIONS

Wetland Delineation

FAA Part 107 Licensed Unmanned
Aerial Vehicle Pilot

CPR and First Aid Certification

Dispute Mediator certified to the State
of Texas Guidelines

PROFESSIONAL AFFILIATIONS

Habitat & Living Resources Team,
Coastal Bend Bays & Estuaries
Program

Water & Sediment Quality Implemen-
tation Team, Coastal Bend Bays &
Estuaries Program

COLTON PHILLIPP, P.E.



Mr. Phillipp's experience encompasses general civil engineering design, including site development, pavement analysis and design, drainage analysis and design, erosion control, site grading, and utility installation, adjustments, and relocations. As a professional engineer, he primarily serves the infrastructure market through the direct completion of plans and specifications by utilizing various computer modeling programs.

Relevant Project Experience:

- **McC Campbell Slough Drainage Evaluation, Ingleside, TX.** Mr. Phillipp served as a project engineer in the design and planning of a drainage study of the McC Campbell Slough watershed, including the creation of Hydrologic model for the pre-development conditions. Planning included the determination of watershed boundaries to update the existing FEMA hydraulic model. Designing included the analyzation of the existing FEMA model, by calculating and comparing runoff values through multiple methods.
- **Humble Channel Drainage Analysis, Ingleside, TX.** Mr. Phillipp served as a project engineer in the design and planning of a drainage study of the Humble Channel watershed, including the creation of Hydrologic and Hydraulic models for the pre-development and post-development conditions. Planning included the determination of watershed boundaries and phasing of proposed improvements. Designing included the sizing and routing of proposed culverts and channels, as well as if the upstream properties of the drainage system would be adversely affected when expanding the watershed area.
- **UP Little Rock Yard Extension, Little Rock, AR.** Mr. Phillipp is serving as the project engineer in the design and planning of a drainage study for the extension of a Union Pacific railway track, including the creation of Hydrologic and Hydraulic models fort the pre-development and post-development conditions. Planning includes the determination of watershed boundaries and phasing of proposed improvements. Designing includes the sizing and routing of proposed culverts, channels, and detention ponds, as well as if the upstream properties of the drainage system would be adversely affected when revising the watershed area.
- **Resaca Escondida Drainage Improvements, Los Fresnos, TX.** Mr. Phillipp is serving as the project engineer in the design and planning of a drainage outfall from an existing resaca/detention pond to an existing drainage ditch, including the creation of Hydrologic and Hydraulic models for the post-development conditions. Planning includes the determination of the watershed boundary, the outfall placement location, and phasing of proposed improvements with associated cost estimating. Designing includes the sizing and routing of proposed culverts and channels, as well as plans for construction of the proposed improvements.
- **West Brownsville Drainage Improvements, Brownsville, TX.** Mr. Phillipp is serving as the project engineer in the design and planning of a drainage outfall from an existing stormwater system to an existing wet well, including the creation of Hydrologic and Hydraulic models for the post-development conditions. Planning includes the determination of the watershed boundary, the outfall placement location, and phasing of proposed improvements with associated cost estimating.



EDUCATION

B.S., Biological & Agricultural
Engineering
Texas A&M University
College Station

YEARS OF EXPERIENCE

5

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #132226

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

Mr. Shrier's 40 years of structural engineering and consulting experience has encompassed projects from all levels of the public and private sectors. He has successfully completed major projects in the following building categories: advanced technology facilities, biomedical manufacturing plants, micro-electronics facilities, major medical and hospital projects, community clinics, public projects for a variety of federal, state, county and municipal government agencies, secondary and university level educational facilities, correctional facilities, military facilities and commercial office/retail projects. In addition, Mr. Shrier has served as an on-site construction specialist/field representative on large multi-structure/multi-contractor projects, he has had the responsibility of being a principal of a design-build construction company and he has been project manager for Port and waterways facilities projects. This combination of extensive design, construction, and management experience makes him a valuable asset to any design team and allows him to quickly develop high quality designs that offer practical, constructible, and economical solutions for today's specialized building requirements.

Relevant Project Experience:

- **City of Corpus Christi, Cole Park Pier Assessment** A complete structural assessment of the existing Cole Park Pier was performed. The pier is approximately 450 feet long with a 75 foot wide T-Head. The pier is constructed of precast and cast-in-place elements. Hanson utilized drone technology to capture visual data of the above water areas of the pier that were not accessible due to safety concerns. In addition, the underwater portions of the structure were inspected and documented by a dive team. Soundings were taken of the bay bottom adjacent to and below the pier to assist in the assessment. The assessment report provided photographs and a detailed description of defects above and below the water level. Included in the report was an Opinion of Probable Cost to repair the documented defects. A cost to demolish and replace the entire pier was provided for comparative purposes.
- **Nueces County, Horace Caldwell Pier** In conjunction with a Texas Parks & Wildlife Department grant, a new covered observation deck will be constructed adjacent to the existing Horace Caldwell Pier House. The observation deck will be a cast-in-place concrete deck supported by driven concrete piles and will have a wood-framed roof structure. The observation deck footprint will be approximately 50 feet by 58 feet and located approximately 18 feet above the beach grade. The observation deck will have the capability to be closed in with overhead roll-up doors for use during inclement weather. Access to the observation deck will be controlled through the existing Pier House.
- **Phillip Dimit Pier** Project manager and project structural engineer. This project is a multifunctional fairground and conference facility on the existing
- **Port of Corpus Christi Bulk Cargo Dock No. 2, Corpus Christi, TX.** Responsible for project management and construction administration of a new breasting structure and mooring dolphins for Panamax class vessels at the Port of Corpus Christi. Slip length was 1,270 feet; draft was 45 feet; standoff distance from dock was 876 feet. Structures consisted of 24-inch-diameter driven-steel pipe piles, concrete caps, fenders, bollards, cleats and shore access walkways.



EDUCATION

B.S. Architectural Engineering
University of Texas Austin

YEARS OF EXPERIENCE

40

PROFESSIONAL REGISTRATIONS

Professional Engineer, Texas, #54578
Professional Engineer, Oregon, #59677PE

PROFESSIONAL AFFILIATIONS

Structural Engineers Association of Texas

RUBEN PERALEZ, P.E.



Mr. Peralez has 7 years of structural engineering and windstorm inspection experience in commercial, municipal, K-12 education and residential buildings. In addition, Mr. Peralez conducted several visual inspections and detailed assessment reports on the conditions of existing structures, including underground culverts, buildings and levees.

Relevant Project Experience:

- **La Palmera Mall, Corpus Christi, TX.** Hanson provided forensic, investigative, and design services for miscellaneous issues. Notable issues included a water penetration investigation for a department shoe store tenant. Hanson conducted a visual inspection and water testing on an existing wall where the tenant was experiencing water penetration during heavy rain events.
- **Flour Bluff Natatorium, Corpus Christi, TX.** Hanson was selected to design a new 30,200-square-foot aquatic facility for Flour Bluff Independent School District in Corpus Christi, Texas. The 25-meter, eight-lane pool with a four-lane warm-up area will serve all of the district's swimming programs and provide year-round use. During the project, Hanson provided architectural programming; facilities master planning; accessibility and space planning; project management; coordination and oversight; bid and construction drawing preparation; construction administration; finishes and color selections; design services; and assistance with furniture, fixtures and equipment
- **Flour Bluff ISD, Corpus Christi, TX.** Hanson was selected to provide structural design and windstorm certification services for several new construction projects for the school district. In addition, Hanson conducted visual inspections on all structural components, roofing, and exterior cladding of all buildings for compliance with all applicable building codes. Notable projects include a new 47,500 square foot pre-engineered metal building Field House with indoor practice field and administration area; 16,900 square foot masonry wall and steel roof Library Addition; and 32,200 square feet masonry wall and steel roof Classroom Additions. All projects were designed to withstand 120 mph wind speed requirements and meet the Texas Department of Insurance's Windstorm Provisions.
- **UTMSI Pump House, Port Aransas, TX.** Hanson was selected to provide structural design and windstorm certification services for a 480 square foot pump house. The pump house consisted of load-bearing concrete masonry walls with wood framed roof structure. The structure was designed to protect mechanical equipment from 130 mph wind speed requirements and meet the Texas Department of Insurance's Windstorm Provisions.
- **St. Andrew by the Sea Catholic Church, Port Aransas, TX.** Hanson was selected to provide a visual structural assessment of an existing cast-in-place concrete, open air church for the Diocese of Corpus Christi. Hanson photo-documented, reported, and evaluated all cases of concrete cracking and concrete spalling on the entire structure. In addition, Hanson provided contractual and construction administration services for the Diocese in repairing concrete problems.



EDUCATION

B.S. Architectural Engineering
University of Texas, Austin

YEARS OF EXPERIENCE

7

PROFESSIONAL REGISTRATIONS

Professional Engineer,
Texas, #123270

PROFESSIONAL AFFILIATIONS

Structural Engineers Association of Texas

SARAH DEBERRY, EIT



Mrs. Leonard joined Hanson in 2019 as a civil engineer graduate. She has experience managing and developing aspects of planning, right of way, PS&E and construction phase services for major Texas Department of Transportation and municipal highway improvement projects. She is also an active member of the ASCE-Rio Grande Valley chapter.

Relevant Project Experience

- **City of Brownsville, SH 48, etc., Brownsville, TX.** Design engineer for this two intersection traffic signal improvement project. Assisted in plans production for plan sheets and signal layout sheets; coordinated and facilitated survey services and meetings with the City of Brownsville.
- **Texas Department of Transportation, Bryan, SH OSR, Brazos County, Texas.** Lead production engineer for this 25-mile, \$3.8 million PS&E rehabilitation and widening. Developed horizontal and vertical alignments and cross sections; created 3D corridors, templates and superelevation files in OpenRoads; generated signage along OSR using the SHSD and TxMUTCD; developed driveway and utility exhibits for TxDOT; reviewed and marked up subconsultant plans; and managed plans production for TCP Roll Plots and driveway profiles.
- **Texas Department of Transportation, Abilene, CR 283, Lamar & Delta Counties, Texas.** Design engineer on this 0.256-mile, \$0.56 million rural bridge replacement project. Designed grading layouts, plans production for removal, plan and profile sheets, bridge layouts, summary of quantities sheets, typical sections, and cross sections.
- **Texas Department of Transportation, Laredo, State Loop 480, Eagle Pass, TX.** Design engineer for this 7-mile, \$3 million State Loop 480 extension from US 57 to US 277 new construction project. Created plans production for plan and profile sheets, removal sheets, traffic control plan, driveway profiles, ditch analysis; and developed intersection layout sheets.
- **AIA Engineers, LTD. US 283, Albany, TX.** Design engineer for this 17-mile, \$124,000, rural drainage project. Developed parallel culvert analysis and drainage plans production for cross culvert layouts, BCS and summary of quantities sheets.
- **City of Los Indios, Planning and Capacity Study, Cameron County, Texas.** Lead production engineer for this planning and capacity study, \$30,000 project. Compiled and analyzed economic and population data for the City of Los Indios. Reviewed and marked up report chapters, tables, figures, and exhibits.
- **Indiana Department of Transportation, Crawfordsville, SR 38, Tippecanoe & Clinton County, Indiana.** Lead production engineer for this 11-mile, \$2.8 million PS&E rehabilitation and preventative maintenance. Calculated and reviewed horizontal and vertical stopping sight distances and cross sections; created 3D corridors, templates and proposed right-of-way in OpenRoads; developed driveway and utility exhibits for TxDOT; reviewed and marked up subconsultant plans; designed and coordinated right-of-way acquisition and engineering; and managed plans production for Level One checklists and Stage One Submittal.



EDUCATION

BS, Civil Engineering,
Texas Tech University

YEARS OF EXPERIENCE

3

PROFESSIONAL REGISTRATIONS

Engineer in Training - Texas #61254

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

SIMILAR PROJECTS

Windsport Venue Preliminary Design & Meetings South Padre Island, Texas

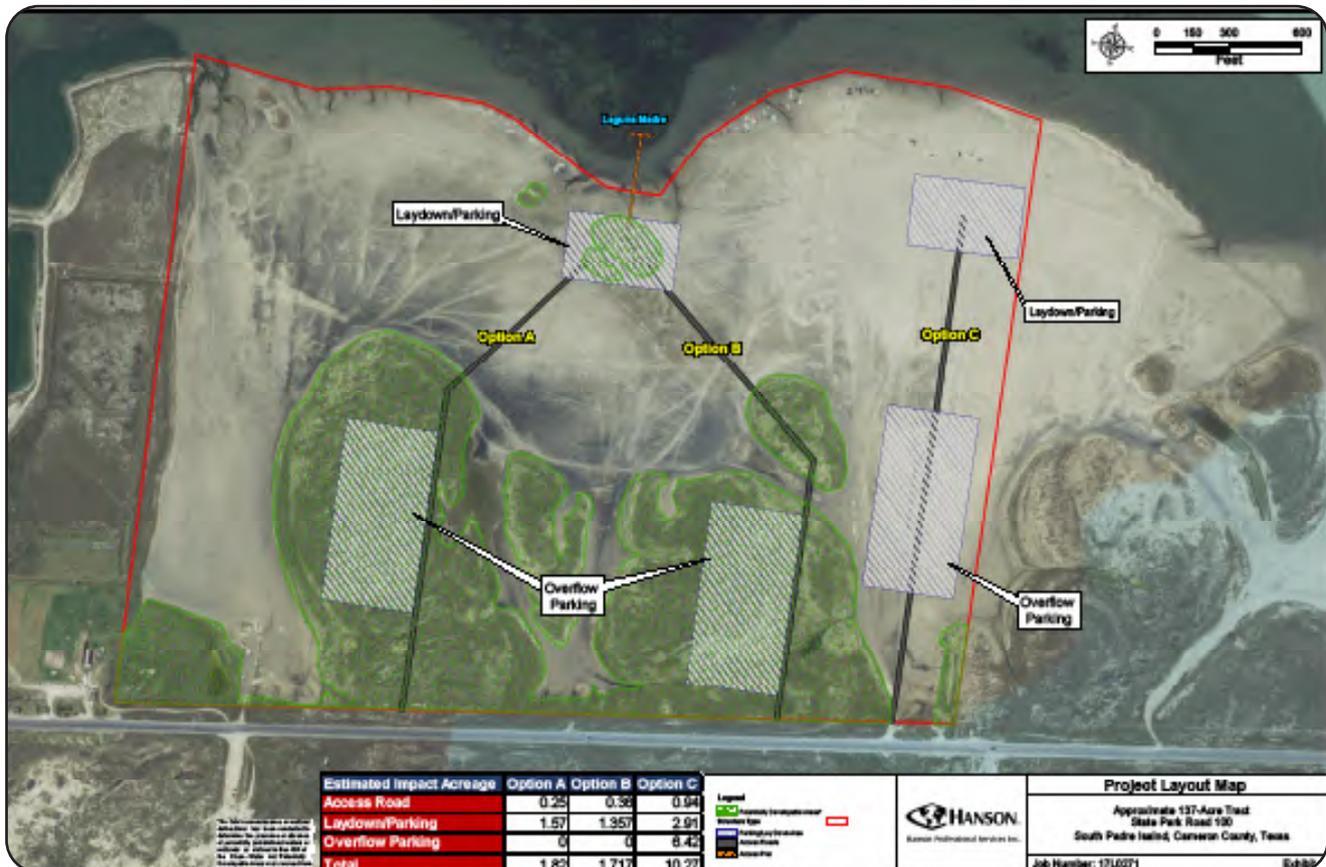
In 2016, the constituents of South Padre Island voted to authorize the City to develop a sports and community venue project. The development of the SPI Wind and Water Sports Park's goal is to increase access to the Laguna Madre while decreasing wetland damages.

The project consists of the engineering design of three parking lots, restroom facilities, and access road to be used to access the bay for wind and water sports. Specific services include preparing plans and specifications, coordinating surveying and geotechnical needed for improvements. The project required the completion of a wetland delineation, property survey and biological assessment. Hanson is acquiring permits and coordinating with the United States Army Corps of Engineers (USACE), Texas General Land Office (GLO), United States Fish and Wildlife Services (USFWS) and the Texas Commission on Environmental Quality for the development of the park.

PROJECT MANAGER
Paolina Vega, P.E.

NUMBER OF CHANGE ORDERS
0

YEAR OF THE WORK
Ongoing



SIMILAR PROJECTS

Packery Channel Nature Park Nueces County, Texas

A Coastal Impact Assistance Program (CIAP) grant was awarded to Nueces County in 2011 for habitat restoration, enhancement, and protection efforts at Packery Channel Nature Preserve Park (PCNPP), located in Corpus Christi on northern Padre Island. The focus of the CIAP-funded project was to benefit Neotropical migratory songbirds as well as resident and wintering bird populations by creating landscape features.

In addition to developing the Master and Habitat Management Plan, Hanson was also retained to design, plan, and implement the project to enhance and restore habitats for Neotropical migratory birds as well as resident and wintering bird populations, and to develop educational signage concerning beneficial uses of native landscaping.

The restoration and enhancement project aligned with the Park's mission to provide environmentally conscious stewardship for passive public recreational access, ecotourism, and educational outreach opportunities with emphasis on the protection, restoration, and preservation of the natural resources.

<p>PROJECT MANAGER Terry Smith, P.G.</p> <p>NUMBER OF CHANGE ORDERS 0</p> <p>YEAR OF THE WORK 2011</p>



Cameron County Beach Monitoring Cameron County, Texas

Hanson helped conduct monitoring on four sections of beach, submit an Annual Turtle Monitoring Plan, and submit a Habitat Annual Summary Report for a five year time period. This is a multi-year project with several phases and tasks involving surveying and monitoring of the Padre Island National Seashore in Cameron County.

During the five-year lifespan of the project, tasks included:

- Develop and Submit an Annual Turtle Monitoring Plan to USACE by March 1 of each year
- Develop and Submit an Annual Report regarding the previous year's turtle nesting statistics
- Conduct Beach Profile Survey
- Conduct Bird Usage Surveys and Sargassum Survey
- Develop and Submit Annual Summaries

The firm worked closely with Cameron County officials, US Fish & Wildlife Services (USFWS), Padre Island National Seashore (PINS) & the United States Army Corps of Engineers (USACE) to monitor beach conditions and wildlife activity.



TEAM LEADER

Harrison McNeil, Hanson

PROJECT COST

\$196,775

YEAR OF THE WORK

2014-2019

CLIENT CONTACT

Joe Vega
956-761-3701

RECORD OF PERFORMANCE

Coastal Lands Resource Center Willacy County, Texas

A 1,700 square foot elevated facility, the Coastal Lands Resource Center (CLRC) provides the county, as well as visitors, with a full view of the Laguna Point Recreational Area from its northern deck, while also providing a scenic view of the Laguna Madre and coastal marshland to the south from its eastern and southern observation decks.

Designed to be a multi-functional type of facility, the CLRC can host events such as education courses on the area's environment and ecosystem for schools, board retreats for businesses, and small, intimate social events. Fully accessible by a series of ramps that wrap the facility, the CLRC is a wonderful addition to the LPRA, Port Mansfield, and Willacy County.

TEAM LEADER

Craig Thompson, P.E., Hanson

CONSTRUCTION COST

\$365,000

YEAR OF THE WORK

2016

CLIENT CONTACT

Judge Aurelio Guerra
956-689-3393



Laguna Point Recreation Area Willacy County, Texas

The Laguna Point Recreation Area (LPRA) is a coastal park located on a 44.6-acre tract of land that borders the Laguna Madre in Port Mansfield and is adjacent to a Dredge Material Placement Area (DMPA). This project was funded through the Coastal Impact Assistance Program (CIAP) along with a leveraged Texas Parks and Wildlife Department (TPWD) grant. The project components involved roadway improvements for public access, control of public access via a bollard and cable system, a nearly 600-foot lit public pier, natural resource conservation, a restroom with utilities, a playground, bird watching pavilion, and other recreational improvements. The purpose of the project is to provide public access to the Laguna Madre shoreline for fishing, kayaking, bird watching, and nature awareness, to conserve and protect coastal natural resources, and to provide conservation education for visitors. Along with the cable and bollard system which provides protection from further vehicular impacts, the park area was also included in a conservation easement to protect the park space in perpetuity.

PROJECT MANAGER

Craig B. Thompson, P.E.

NUMBER OF CHANGE ORDERS

2

YEAR OF THE WORK

2014



RECORD OF PERFORMANCE



John L. Tompkins Skate Park Improvement Design South Padre Island, Texas

Hanson provided professional services for the South Padre Island Skate Park Improvements. These services were intended to provide the City of South Padre Island with preparation of plans and technical specifications for the proposed skate park at the John L. Tompkins Park located at the corner of Padre Blvd. and Sunset Drive, South Padre Island, Texas. Elements requested by the City included Elements requested for Skate Park:

- Quarter Pipe – narrow curved ¼ diameter (pipe) running the length of a top edge called a coping.
- Cradle – bowl or sphere turn on side to enable “carving”
- Bowl – similar to a swimming pool, with shallow and deep end
- Hand Rail – either extended from a staircase or installed on a wall
- Banks – wedge ramps, elevated flats, may be curved or straight

Landscaping:

- Grassy areas
- Trees – small, ornamental or tall for shade
- Shrubs, screening plants
- Drought tolerant
- Butterfly gardens
- Located on outside borders of skate park and walking track
- Landscaping on interior “island” of skate park

TEAM LEADER

Anna Aldridge, P.E., Hanson

NUMBER OF CHANGE ORDERS

0

YEAR OF THE WORK

2017

SOUTH PADRE ISLAND SKATEPARK

ISSUE FOR BID SET

KEY CONTACTS

PROJECT CONSULTANT:

Naismith Engineering, Inc./Hanson Professional Services, Inc.
789 E. Washington Street
Brownsville, Texas
78520
ph: (956) 541-1155
Primary Project Contact:
Anna Aldridge Smith, P.E., asmith@hanson-inc.com

SKATE PARK DESIGN CONSULTANT:

New Line Skateparks Inc.
Suite 101, 6249 205th Street
Langley, British Columbia, Canada
V2Y 1N7
ph: 604.530.1114
fax: 604.530.1119
Contact: rob@newlineskateparks.com

LOCATION PLAN



Located in NE CNR PADRE BLVD / E SUNSET DRV, SOUTH PADRE ISLAND

PERSPECTIVE VIEW

Note: perspective drawing not for construction reference. Alterations have been made to model during detailed design phase. Image shown to display broader design concept only.



OPTIONAL ITEMS

Image above indicates design intent for optional items:
1.1 (ramp extension)
1.2 (bowl)
2.1 (NOT SHOWN) - ADDITIONAL LENGTH TO BASE SKATEPARK DESIGN
see supplementary drawings for details and dimensions, and provide separable pricing for all options.



DRAWING INDEX

Sheet Number	Sheet Title
SK-001	Context Plan
SK-002	General Conditions and Introduction
SK-003	Site Plan
SK-004	OPTIONAL 1.1 RAMP EXTENSION
SK-005	OPTIONAL 1.2 BOWL
SK-006	Single Wheeling and Staircase Layout
SK-007	SITE SECTIONS
SK-008	Foundations
SK-009	Walk and Ledges
SK-010	Drainage and Landscaping
SK-011	Handrails and Landscaping
SK-012	Landscaping
SK-013	Site Plan
SK-014	General Introduction Plan
SK-015	Detail Schedule
SK-016	Detail Schedule
SK-017	Typical Details

NO.	DATE	BY	DESCRIPTION
1	01/11/2017	AS	Issue for Bid Set

PROJECT: STH PADRE ISL SKATEPARK

LOCATION: SOUTH PADRE ISL, TX
DRAWING NO: SK-001
DATE: 01/11/2017
DRAWING TITLE: CONTEXT PLAN

PROJECT NUMBER: SK2017-40
PROJECT NUMBER: SK-001
DATE: 01/11/2017
DRAWING TITLE: CONTEXT PLAN



COST ESTIMATE ACCURACY



Project Name	OPCC	Bid Tab
Various Shoreline Projects	\$335,000.00	Ongoing
Windsport Venue	\$750,000.00	Ongoing
Cameron County Beach Monitoring	N/A*	N/A*
Coastal Lands Resource Center	\$365,000.00	Low: \$364,500.00 High: \$500,633.00
Packery Channel Nature Park	N/A*	N/A*
Laguna Point Recreation Center	\$1,100,000.00	Low: \$1,035,076.00 High: \$1,383,225.00
Skatepark Improvement Design	N/A*	N/A*

***Professional Services Only. No construction cost available.**



Bid Measures Taken

In the event that the lowest bid is returned above the OPCC, Hanson has several tactics to reduce cost including reducing or changing the scope and reducing the quantity of work. The construction contractions are set up as a unit price and final quantities can be adjusted to match the available budget. The Hanson Project Team will be available to assist the client in the bidding of the project including; responding to pre-bid inquiries, issuing bid documents, submitting permit applications, conducting a pre-bid conference and reviewing construction bids received

WORKLOAD CAPACITY & SCHEDULE



Team Capabilities

Hanson has assembled a team of qualified individuals in order to provide the services required and meet what is sure to be a fast schedule. Through our Project Manager and her management plan, which is outlined in the next section, the team will be guided through the process from initial client meeting to the acceptance of the final report. The Project Principal, Mr. Wilfredo Rivera, Jr., P.E., will also ensure that the assembled team has the required resources, capacity and availability to successfully complete the project.

Staff Availability & Workload

Our combined team for this project includes professionals with the ability to draw on combined company resources of more than 400 employees. As is apparent from the organizational chart, multiple local professionals cover the key disciplines cited in the RFQ. We specialize in performing quality work – on time and within budget. When only considering the local staffing numbers alone, the Hanson Team provides sufficient capacity to complete the numerous tasks expected not only on time, but also within budget. With a full compliment of the national resources afforded to the local project team, there is no doubt Hanson has the extensive knowledge and expertise to provide the assistance to the City of South Padre.

Scheduling

The internal management of the project will be tracked utilizing an Earned Value Management System which tracks the three major components including Scope, Time and Costs. Hanson utilizes Earned Value Management via our internal software to plan accordingly and track the progression of the project. Through this system we are able to provide accurate forecasts of any project performance problems or issues, which is an important contribution for the management of the program. Through its use the areas of planning and control are significantly impacted and similarly, using the methodology improves the analysis of the overall project performance. Once a schedule and work plan are in place, the planning process can be finalized. At key intervals along the process, the Project Manager will check the status of the plan with input from the client and plan for adjusting accordingly to keep the projects scope, schedule and budget on track.

REFERENCES

Javier Mendez

City of Harlingen
502 E Tyler
Harlingen, TX 78550
956-873-0119

Mark Milum

City of Los Fresnos, City Manager
200 N. Brazil Street
Los Fresnos, TX 78566
956-233-5768

Ricardo Cavazos

City of Los Indios, Mayor Pro-Tem
109 E 6th St,
Los Indios, TX 78567
956-399-4255

Agency References

Agency contacts associated with the projects in listed in grant funded experience:

- **TDA**, Joe Midura,
512-936-7880
- **TWDB**, Clay Schultz, Ph.D.,
512-463-8489
- **BECC**, Maria Elena Giner, P.E.,
877-277-1703
- **NADB**, Fernando Escarcega,
210-231-8000
- **USDA-RD**, Joe De Ochoa,
830-278-9503
- **TPWD**, Roxane Eley,
512-389-8109

PROJECT APPROACH



The beaches, bays, estuaries, and wetlands and drainageways of the Rio Grande Valley offer a rich and complex ecosystem of marine and wildlife habitat that support world class fishing, swimming, boating and world class birding opportunities for local citizens and visitors. These rich habitats complement each other and play an important part in the high quality of life available to local citizens and visitors.

An integrated approach is needed to protect the rich ecology and balance the controls. The Hanson Team has developed a work plan to describe our approach in fulfilling the Scope of Services outlined in the city's RFQ. A key element of our project approach is the detailed Work Plan Structure (WPS) for the project, which defines an individual project in terms of specific activities and milestones referred to as WPS elements. The WPS breaks down project activities in sufficient detail so that the work to be performed is clear, the budget and time required to conduct each activity is defined and can be monitored by the Project Manager and personnel conducting the work. This breakdown of project activities will be used to develop the project schedule for each individual project and will be utilized as an essential management tool for cost and schedule control. The tasks are outlined below:

Phase I: Scoping and Preliminary Engineering

Hanson will participate in a Scope of Services meeting with the Client to define a clear, well defined Scope of Services and a Cost Proposal for each phase of the project. Consultant services relating to project elements such as preliminary engineering reports, modeling assessments, bid document preparation, construction services and any special reports addressing environmental or other issues will be determined at the time of the Scope of Services meeting.

Task 01

Meetings will include a project kickoff meeting, preliminary engineering report review meetings with staff, and other meetings with interested parties as required to obtain input and discuss project goals and alternatives.

A project kickoff meeting will be held at the beginning of the Preliminary Engineering Phase. At this meeting, all parties that will have input into the design should be introduced and roles discussed. An example of agenda items would include:

- Coordination and communication procedures;
- Preliminary work conducted and data compiled by Client;
- Latest plans for the area;
- Develop a proposed project schedule & budget;
- Discussion of key work elements to be conducted in the Preliminary Engineering Phase; and
- Specific procedures or requirements – Methodology.

Task 02

Data Compilation activities will typically include:

- Assessment of topographic maps and existing plans to identify watersheds boundaries;
- Information on new and planned development in the area;
- Aerial maps and existing development plans;
- Preliminary Field Surveys;
- Existing flood information – high water marks, storm data, etc.;
- Existing property ownership and easements;
- 100-year floodplain boundaries (if any).
- Review of existing Hydraulic and Hydrologic Studies and Reports

Where appropriate, this data will be plotted on area maps for use in developing project schematics.

Phase II: Design Phase

Following specific written authorization to proceed with the design phase, which will consist of the following tasks:

- Task 01 – Conduct Necessary Field Surveys
- Task 02 – Boundary Investigations
- Task 03 – Investigations for Final Designs
- Task 04 – Prepare Final Design Plans and Specifications
- Task 05 – Provide Permit Support

PROPOSED APPROACH



Task 01 - Conduct the Necessary Field Surveys

Based on the proposed project scope of work (as defined by detailed in the Preliminary Engineering Report) the necessary survey data will be acquired. Survey data to be collected will include topographic information, identification of as many underground utilities as possible (could include SUE), location of all visible physical features within the determined workspace, and location and inventory of all significant vegetation or other improvements. The amount and type of survey data collected will be adjusted depending upon the nature and scope of the proposed project.

Task 02 – Boundary Investigations

It is likely that the solution for drainage issues is additional conveyance and downstream capacity. This often requires easement acquisition. Hanson has several survey crews and 2 RPLS Surveyors in its Corpus Christi office to perform the field work and investigation to properly identify the property boundaries and prepare easement documents. Survey easement documents can be required for both permanent and temporary easements.

Task 03 –Investigations for Designs

Final Designs includes collection of additional geotechnical data necessary to properly characterize the subsurface conditions for construction of the proposed improvements. The geotechnical investigation will be tailored to the type of construction anticipated. Other environmental investigations may be required and will be necessary to get the applicable permits..

Task 04 - Prepare Final Design Plans and Specifications

Preparation of final plans and specifications will normally commence upon the approval of the Preliminary Engineering Report and completion of surveying activities. Specifications will follow applicable specifications and sound engineering principals. Plans will include appropriate survey information, and designated permanent and temporary easements. Plans and specifications will also include the designs

and details necessary for construction of all proposed improvements, details, and any other design features necessary for a timely and successful construction project. In addition to the plans and specifications, Hanson will prepare all usual cost estimates and otherwise agreed-upon construction documents.

Phase III: Develop Mitigation Plan

Avoid, Minimize, Mitigate, these are the goals set forth by the TGLO when planning dune related construction. Should impacts be inevitable, Hanson will develop a mitigation plan to compensate for project-related impacts in the event that dune vegetation will be impacted. Preparation of the mitigation plan will include consideration of several mitigation options, with the selection of the preferred option for development as the mitigation plan. Hanson will provide a draft mitigation plan to the Client for review and comment. After receiving approval from Client, Hanson will submit the mitigation plan to Texas General Land Office for review and approval.

Phase IV: Prepare and Submit Texas GLO Beachfront Construction Permit Application

Hanson will prepare and submit a Texas General Land Office (TGLO) beachfront construction permit application to TGLO for review. The application will include a cover letter, application form, and associated exhibits. Prior to submittal to TGLO, a draft of the application will be provided to the Client for review and comment. Once reviewer's comments have been incorporated, Hanson will submit a final copy of the application to TGLO and coordinate with them to seek issuance of the beachfront construction permit.

PROPOSED APPROACH



Proposed Team and Organization

Paolina Vega, P.E., the Hanson Local Project Contact and Project Manager, will be the Client's first point of contact on the project and can be available for meetings, project coordination and review discussions, as related to the specific funding source for each project. Hanson can provide monthly progress reports, schedule, and budget reviews. We can also maintain files of meeting minutes, letters, faxes, e-mails, record of telephone conversations and submit to the Client any files that are pertinent to the project meetings, discussions or correspondence, or files that are specifically requested.

Ms. Vega will rely on Richard Riggins, P.E, RPLS for the design of the permeable paver parking lot and sidewalk, Colton Phillipp, P.E. for any utility extensions, restroom facilities and walkover design. Harrison McNeil will be the lead for the environmental services necessary to complete the project. Ms. Vega will also depend on Lew Shrier, P.E. and Ruben Peralez, PE for structural engineering needs. Additionally, local surveying, geotechnical or testing firms may be required to complete the project tasks.

Quality Assurance and Control

The project Principal, Willie Rivera, Jr., P.E., will be responsible for overall work quality and will have responsibility for daily adherence to Hanson's internal quality assurance and quality control program.

Hanson has in place Corporate Quality Assurance Program (QAP) which was developed in order train and guide personnel to be able to effectively manage and deliver projects. We utilize a formal program in order to ensure that the means and methods by which personnel managing or performing the work or creating the deliverables receive training applicable to their specific areas of contribution to the project or program. The training may involve Hanson's QAP or procedures mandated by a client such as Cameron County. We will strive to meet and exceed the County's expectations. The Hanson Project Manager will oversee the coordination of the team members and track all the key components of the project.

Schedule

The internal management of the project will be tracked utilizing an Earned Value Management System which tracks the three major components including Scope, Time and Costs. Hanson utilizes Earned Value Management via our internal software to plan accordingly and track the progression of the project. Through this system we are able to provide accurate forecasts of any project performance problems or issues, which is an important contribution for the management of the program. Through its use the areas of planning and control are significantly impacted and similarly, using the methodology improves the analysis of the overall project performance. Once a schedule and work plan are in place, the planning process can be finalized. At key intervals along the process, the Project Manager will check the status of the plan with input from the client and plan for adjusting accordingly to keep the project's scope, schedule and budget on track. Hanson understands that the 90% of construction designs must be completed by March 31, 2021 and the project must be completed by the end of March 2022 for final grant close out.

	Preliminary Schedule																		
	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	
Task 1 - Scoping & Preliminary Engineering	█	█																	
Task 4 - Engineering Design		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Task 3 - Develop Mitigation Plan						█	█	█	█	█	█	█	█	█	█	█	█	█	█
Task 3 - Prepare and Submit TXGLO Permit										█	█	█	█	█	█	█	█	█	█
Task 5 - Construction Management														█	█	█	█	█	█
Project Close Out																			█

All timeframes are estimates. Any additional request from resource agencies (USACE, GLO, USEFWS, etc...) or design modifications will require additional time to plan accordingly



**CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE
AGENDA REQUEST FORM**

MEETING DATE: October 27, 2020

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Discussion and action to recommend approval to the City Council for the Mayor to execute the agreement and supporting documentation between the U.S. Army Corps of Engineers (USACE), the City of South Padre Island, and Cameron County for the Planning Assistance to States Program (PAS) to develop a Regional Sediment Management Plan. (Boburka)

ITEM BACKGROUND

The City of South Padre Island City Council signed a joint letter of interest (LOI) on July 1, 2020, with Cameron County to request assistance from the USACE and to participate in the PAS Program for a Regional Sediment Management Plan (RSMP). This plan will allow the City and County to address the coastal erosion problems on our beaches. The City and County acknowledge that the coastal processes do not conform to City or County delineation and must be managed as a single, independent, and complex system. A RSMP will lead to a holistic approach for battling erosion, maximizing the potential benefit associated with sediment placement, and lead to cohesive management strategies across the region.

BUDGET/FINANCIAL SUMMARY

The City and County shall provide 50 percent of the costs for developing the Plan. As of the effective date of this Agreement, the costs of developing the Plan are projected to be \$250,000, with the Government's share of such costs projected to be \$125,000 and the Non-Federal Sponsor's share (City and County) of such costs projected to be \$125,000 which includes creditable in-kind services projected to be \$20,000 and the amount of funds required to meet its cost share projected to be \$105,000. The City and County will share the Non-Federal Sponsor's cost 50/50, each owing \$52,500 each plus \$10,000 in in-kind services.

COMPREHENSIVE PLAN GOAL

Chapter III. Parks and Resources

GOAL 1: The City shall ensure protection and conservation of natural resources, such as beaches, dunes, wetlands, Laguna Madre waterfront and native flora and fauna, allowing for their sustainable use and enjoyment by future generations.

Objective 1.1 Beach and dunes shall be protected from both natural and artificial erosion.

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:

**NON-FEDERAL SPONSOR'S
SELF-CERTIFICATION OF FINANCIAL CAPABILITY
FOR AGREEMENTS**

I, **Rodrigo Gimenez**, do hereby certify that I am the Chief Financial Officer of the **City of South Padre Island** (the "Non-Federal Sponsor"); that I am aware of the financial obligations of the Non-Federal Sponsor for the South Padre Island Sand Management Plan ; and that the Non-Federal Sponsor has the financial capability to satisfy the Non-Federal Sponsor's obligations under the Agreement Between The Department of The Army and City of South Padre Island and Cameron County for Development of a Comprehensive Plan.

IN WITNESS WHEREOF, I have made and executed this certification this 4th day of November, 2020.

BY: _____
Rodrigo Gimenez

TITLE: Chief Financial Officer

DATE: November 4, 2020

CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Randy Smith
City Manager

DATE: November 4, 2020

CERTIFICATE OF AUTHORITY

I, **Patrick McNulty**, do hereby certify that I am the principal legal officer for the **City of South Padre Island**, that the **City of South Padre Island** is a legally constituted public body with full authority and legal capability to perform the terms of the agreement between the Department of the Army and the **City of South Padre Island** in connection with the South Padre Island Sand Management Plan, and to pay damages, if necessary, in the event of the failure to perform in accordance with the terms of this agreement, as required by Section 221 of Public Law 91-611, as amended (42 U.S.C. 1962d-5b), and that the person who executed this agreement on behalf of the **City of South Padre Island** acted within **his** statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this 4th day of November 2020.

Patrick McNulty
City of South Padre Island Mayor

AGREEMENT
BETWEEN
THE DEPARTMENT OF THE ARMY
AND
CITY OF SOUTH PADRE ISLAND
AND
CAMERON COUNTY
FOR DEVELOPMENT OF A COMPREHENSIVE PLAN

THIS AGREEMENT is entered into this ____ day of _____, _____, by and between the Department of the Army (hereinafter the “Government”), represented by the District Commander for Galveston District (hereinafter the “District Commander”) and the City of South Padre Island and Cameron County (hereinafter the “Non-Federal Sponsors”), represented by the Mayor and County Judge.

WITNESSETH, THAT:

WHEREAS, Section 22 of the Water Resources Development Act of 1974, as amended (42 U.S.C. 1962d-16) authorizes the Secretary of the Army, acting through the Chief of Engineers, to provide assistance in the preparation of a comprehensive water resources plan (hereinafter the “Plan”) to a State, group of States, or non-Federal interest working with a State, and to establish and collect fees for the purpose of recovering 50 percent of the costs of such assistance except that Secretary may accept and expend non-Federal funds provided that are in excess of such fee; and

WHEREAS, the Government and the Non-Federal Sponsors have the full authority and capability to perform in accordance with the terms of this Agreement.

NOW, THEREFORE, the parties agree as follows:

1. The Government shall develop the Plan, in coordination with the Non-Federal Sponsor, in accordance with the attached Scope of Work, and any modifications thereto, that specifies the scope, cost, and schedule for activities and tasks, including the Non-Federal Sponsor’s in-kind services. In carrying out its obligations under this Agreement, the Non-Federal Sponsors shall comply with all the requirements of applicable Federal laws and implementing regulations.

2. The Non-Federal Sponsors shall provide 50 percent of the costs for developing the Plan in accordance with the provisions of this paragraph. As of the effective date of this Agreement, the costs of developing the Plan are projected to be \$250,000, with the Government’s share of such costs projected to be \$125,000 and the Non-Federal Sponsor’s share of such costs projected to be \$125,000 which includes creditable in-kind services projected to be \$20,000 and the amount of funds required to meet its cost share projected to be \$105,000.

a. After considering the estimated amount of credit for in-kind services that will be afforded in accordance with paragraph 4, if any, the Government shall provide the Non-Federal Sponsors with a written estimate of the amount of funds required from the Non-Federal Sponsors for the initial fiscal year of development of the Plan, with a fiscal year beginning on October 1st and ending on September 30th of the following year. No later than 15 calendar days after such notification, the Non-Federal Sponsors shall provide the full amount of such funds to the Government by delivering a check payable to “FAO, USAED, Galveston (M3) to the District Commander or by providing an Electronic Funds Transfer of such required funds in accordance with procedures established by the Government.

b. No later than August 1st prior to each subsequent fiscal year during development of the Plan, the Government shall provide the Non-Federal Sponsors with a written estimate of the amount of funds required from the Non-Federal Sponsors during that fiscal year. No later than September 1st prior to that fiscal year, the Non-Federal Sponsors shall provide the full amount of such required funds to the Government using one of the payment mechanisms specified in paragraph 2.a. above.

c. If the Government determines at any time that additional funds are needed from the Non-Federal Sponsors to cover the Non-Federal Sponsor’s costs of developing the Plan, the Government shall provide the Non-Federal Sponsors with written notice of the amount of additional funds required. Within 60 calendar days of such notice, the Non-Federal Sponsors shall provide the Government with the full amount of such additional funds.

d. Upon completion of the Plan and resolution of any relevant claims and appeals, the Government shall conduct a final accounting and furnish the Non-Federal Sponsors with the written results of such final accounting. Should the final accounting determine that additional funds are required from the Non-Federal Sponsors, the Non-Federal Sponsors, within 60 calendar days of written notice from the Government, shall provide the Government with the full amount of such additional funds. Should the final accounting determine that the Non-Federal Sponsors has provided funds in excess of its required amount, the Government shall refund the excess amount, subject to the availability of funds. Such final accounting does not limit the Non-Federal Sponsor's responsibility to pay its share of costs, including contract claims or any other liability that may become known after the final accounting.

3. In addition to its required cost share, the Non-Federal Sponsors may determine that it is in its best interests to provide additional funds for development of the Plan. Additional funds provided under this paragraph and obligated by the Government are not included in calculating the Non-Federal Sponsor’s required cost share and are not eligible for credit or repayment.

4. The in-kind services include those activities (including services, materials, supplies, or other in-kind services) that are required for development of the Plan and would otherwise have been undertaken by the Government and that are specified in the

Scope of Work and performed or provided by the Non-Federal Sponsors after the effective date of this Agreement and in accordance with the Scope of Work. The Government shall credit towards the Non-Federal Sponsor's share of costs, the costs, documented to the satisfaction of the Government, that the Non-Federal Sponsors incurs in providing or performing in-kind services, including associated supervision and administration. Such costs shall be subject to audit in accordance with paragraph 8 to determine reasonableness, allocability, and allowability, and crediting shall be in accordance with the following procedures, requirements, and limitations:

a. As in-kind services are completed and no later than 60 calendar day after such completion, the Non-Federal Sponsors shall provide the Government appropriate documentation, including invoices and certification of specific payments to contractors, suppliers, and the Non-Federal Sponsor's employees. Failure to provide such documentation in a timely manner may result in denial of credit. The amount of credit afforded for in-kind services shall not exceed the Non-Federal Sponsor's share of costs.

b. No credit shall be afforded for interest charges, or any adjustment to reflect changes in price levels between the time the in-kind services are completed and credit is afforded; for the value of in-kind services obtained at no cost to the Non-Federal Sponsors; or for costs that exceed the Government's estimate of the cost for such item if it had been performed by the Government.

5. The Non-Federal Sponsors shall not use Federal program funds to meet any of its obligations under this Agreement unless the Federal agency providing the funds verifies in writing that the funds are authorized to be used for the Plan. Federal program funds are those funds provided by a Federal agency, plus any non-Federal contribution required as a matching share therefor.

6. Upon 30 calendar days written notice to the other party, either party may elect, without penalty, to suspend or terminate further development of the Plan. Any suspension or termination shall not relieve the parties of liability for any obligation incurred.

7. The parties agree to use their best efforts to resolve any dispute in an informal fashion through consultation and communication. If the parties cannot resolve the dispute through negotiation, they may agree to a mutually acceptable method of non-binding alternative dispute resolution with a qualified third party acceptable to the parties. Each party shall pay an equal share of any costs for the services provided by such a third party as such costs are incurred. The existence of a dispute shall not excuse the parties from performance pursuant to this Agreement.

8. The parties shall develop procedures for the maintenance by the Non-Federal Sponsors of books, records, documents, or other evidence pertaining to costs and expenses for a minimum of three years after the final accounting. The Non-Federal Sponsors shall assure that such materials are reasonably available for examination, audit, or reproduction by the Government.

a. The Government may conduct, or arrange for the conduct of, audits of the Plan. Government audits shall be conducted in accordance with applicable Government cost principles and regulations. The Government's costs of audits for the Plan shall not be included in the shared costs of the Plan, but shall be included in calculating the overall Federal cost of the Plan.

b. To the extent permitted under applicable Federal laws and regulations, the Government shall allow the Non-Federal Sponsors to inspect books, records, documents, or other evidence pertaining to costs and expenses maintained by the Government, or at the request of the Non-Federal Sponsors, provide to the Non-Federal Sponsors or independent auditors any such information necessary to enable an audit of the Non-Federal Sponsor's activities under this Agreement. The costs of non-Federal audits shall be paid solely by the Non-Federal Sponsors without reimbursement or credit by the Government.

9. In the exercise of their respective rights and obligations under this Agreement, the Government and the Non-Federal Sponsors each act in an independent capacity, and neither is to be considered the officer, agent, or employee of the other. Neither party shall provide, without the consent of the other party, any contractor with a release that waives or purports to waive any rights a party may have to seek relief or redress against that contractor.

10. Any notice, request, demand, or other communication required or permitted to be given under this Agreement shall be deemed to have been duly given if in writing and delivered personally or mailed by certified mail, with return receipt, as shown below. A party may change the recipient or address for such communications by giving written notice to the other party in the manner provided in this paragraph.

If to the Non-Federal Sponsors:

City Manager
4601 Padre Blvd
South Padre Island, TX 78597

Parks Director
33174 State Park Rd 100
South Padre Island, TX 78597

If to the Government:

District Engineer
U.S. Army Corps of Engineers, Galveston District
2000 Fort Point Road
Galveston, TX 77550

11. To the extent permitted by the laws governing each party, the parties agree to maintain the confidentiality of exchanged information when requested to do so by the providing party.

12. Nothing in this Agreement is intended, nor may be construed, to create any rights, confer any benefits, or relieve any liability, of any kind whatsoever in any third person not a party to this Agreement.

13. The obligations and responsibilities of the Non-Federal Sponsors shall be joint and several, such that each Non-Federal Sponsor shall be liable for the whole performance of the obligations and responsibilities of the Non-Federal Sponsors under the terms and provisions of this Agreement. The Government may demand the whole performance of said obligations and responsibilities from any of the entities designated herein as one of the Non-Federal Sponsors.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, which shall become effective upon the date it is signed by the District Commander.

DEPARTMENT OF THE ARMY

CITY OF SOUTH PADRE ISLAND AND
CAMERON COUNTY

BY: _____
Timothy R. Vail
Colonel, U.S. Army
District Commander

BY: _____
Patrick McNulty
Mayor of South Padre Island

DATE: _____

DATE: November 4, 2020

BY: _____
Eddie Trevino Jr.
Cameron County Judge

DATE: November 10, 2020

**CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE
AGENDA REQUEST FORM**

MEETING DATE: October 27, 2020

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Discussion and possible action on participation with the King Tides Project. (Mahan)

ITEM BACKGROUND

Project organizers around the world have developed creative, beautiful, science-based, and engaging projects that communicate the relevance of sea level rise to their communities and help make these places more resilient. More details on the project can be found at kingtides.net.

Projects vary, some typical activities include:

- Developing citizen science programs for school groups or adults
- Organizing king tides viewing events like Meetups, boat tours, and hikes (remember that safety is key)
- Connecting with local social media discussions (using locational hashtags, posting on local discussion boards)
- Creating an exhibition for display in science museums, art galleries, and other public spaces
- Running a photo contest

BUDGET/FINANCIAL SUMMARY

N/A

COMPREHENSIVE PLAN GOAL

N/A

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS:

**CITY OF SOUTH PADRE ISLAND
SHORELINE TASK FORCE
AGENDA REQUEST FORM**

MEETING DATE: October 27, 2020

NAME & TITLE: Kristina Boburka, Shoreline Director

DEPARTMENT: Shoreline Department

ITEM

Update, discussion, and possible action on the Coastal Management Program (CMP)'s Cycle 24 funds. (Boburka, Hughston)

ITEM BACKGROUND

Discuss the White Sands project, its termination, and funding for other potential projects (lifeguard towers, restoration).

BUDGET/FINANCIAL SUMMARY

Funds left over: \$290,145 (CMP and local match combined)

COMPREHENSIVE PLAN GOAL

Chapter III. Parks and Resources

GOAL 1: The City shall ensure protection and conservation of natural resources, such as beaches, dunes, wetlands, Laguna Madre waterfront and native flora and fauna, allowing for their sustainable use and enjoyment by future generations.

Objective 1.1 Beach and dunes shall be protected from both natural and artificial erosion.

LEGAL REVIEW

Sent to Legal:

Approved by Legal:

RECOMMENDATIONS/COMMENTS: